STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING										AMEND	FOR ED REPOR		
		Al	PPLICATION	ON FOR	PERMIT TO DRILL				1. WELL NAME and NUMBER 5-32D-36 BTR				
2. TYPE	OF WORK	DRILL NEW WEL	L (📵) RE	ENTER P&	A WELL DEEPE	N WELL			3. FIELD OR WILDO	AT CEDAR	RIM		
4. TYPE	OF WELL		Oil Well	Coalbe	ed Methane Well: NO				5. UNIT or COMMUN	NITIZATI	ON AGRE	EMENT	NAME
6. NAME	OF OPERATO			ILL BARRE					7. OPERATOR PHONE 303 312-8164				
8. ADDR	ESS OF OPER								9. OPERATOR E-MA	IL	rettcorp.c	om	
				11. MINERAL OWNE	RSHIP			12. SURFACE OWNE		Tetteorp.e			
(FEDERAL, INDIAN, OR STATE) 20G0005608 FEDERAL				FEDERAL IND	IAN 📵 STATE 🬘) FE	E 💮		DIAN (STATE		EE (II)	
13. NAM	E OF SURFAC	E OWNER (if bo			dra Nelson				14. SURFACE OWNE	435-680		L2 = 'fe	e')
15. ADD	RESS OF SUR	FACE OWNER (if box 12 =	'fee')					16. SURFACE OWNE	R E-MAI	L (if box	12 = 'fe	e')
		E OR TRIBE NA	ME		18. INTEND TO COM MULTIPLE FORMATI		ION FRO	ом	19. SLANT				
(if box 1	. 2 = 'INDIAN U	') lintah and Ouray			-	ommingling Applicati	on) NO	o 📵	VERTICAL DIR	ECTIONAL	. 📵 н	ORIZON [®]	TAL 🔵
20. LO	CATION OF W	ELL		FO	OTAGES	QTR-QTR	SEC	CTION	TOWNSHIP	RAI	NGE	MEF	RIDIAN
LOCATI	ON AT SURF	ACE		1800 FN	NL 607 FWL	SWNW	:	32	3.0 S	6.0	w		U
Top of	Uppermost P	roducing Zone		1980 FN	NL 811 FWL	SWNW	:	32	3.0 S	6.0	w		U
At Tota	l Depth			1980 FN	NL 810 FWL	SWNW	:	32	3.0 S	6.0	w		U
21. COU	NTY	DUCHESNE			22. DISTANCE TO N	EAREST LEASE LIN	E (Feet))	23. NUMBER OF AC	RES IN D		UNIT	
					25. DISTANCE TO N (Applied For Drilling	EAREST WELL IN S	AME PO	OL	26. PROPOSED DEP	тн	TVD: 9520)	
27. ELEVATION - GROUND LEVEL 28. BOND NUMBER					2282			29. SOURCE OF DRI	LLING W	ATER /			
Z/. ELEV	ATION - GRO	6460				LPM8874725			WATER RIGHTS AP		NUMBER : nary Wate		ICABLE
27. ELEV	ATION - GRO					LPM8874725	ormatio	on	WATER RIGHTS AP				ICABLE
String	Hole Size	6460 Casing Size	Length	Weight	Hole, Casing,	and Cement Info	ormatio	on	WATER RIGHTS API Duchesne Cement		Sacks	r Dock Yield	Weight
String Cond	Hole Size	Casing Size	0 - 80	65.0	Hole, Casing, Grade & Threac	and Cement Info Max Mud Wt. 8.8			Cement Unknown	e City Culi	Sacks	Yield 0.0	Weight 0.0
String	Hole Size	6460 Casing Size			Hole, Casing,	and Cement Info	Н	Ialliburto	Cement Unknown unlight, Type Unkr	e City Culi	Sacks 0 410	Yield 0.0 3.16	Weight 0.0 11.0
String Cond	Hole Size	Casing Size	0 - 80	65.0	Hole, Casing, Grade & Threac	and Cement Info Max Mud Wt. 8.8	Н	Ialliburto	Cement Unknown	e City Culi	Sacks	Yield 0.0	Weight 0.0
String Cond Surf	Hole Size 26 12.25	6460 Casing Size 16 9.625	0 - 80 0 - 2800	65.0 36.0	Hole, Casing, t Grade & Threac Unknown J-55 ST&C	and Cement Info Max Mud Wt. 8.8 8.8	Н	Ialliburto	Cement Unknown n Light , Type Unkr	e City Culi	Sacks 0 410 210	Yield 0.0 3.16 1.36	Weight 0.0 11.0 14.8
String Cond Surf	Hole Size 26 12.25	6460 Casing Size 16 9.625	0 - 80 0 - 2800	65.0 36.0	Hole, Casing, Grade & Thread Unknown J-55 ST&C P-110 LT&C	and Cement Info Max Mud Wt. 8.8 8.8	Н	Ialliburto	Cement Unknown n Light , Type Unkrown Unknown	e City Culi	Sacks 0 410 210 610	Yield 0.0 3.16 1.36 2.31	Weight 0.0 11.0 14.8 11.0
String Cond Surf	26 12.25 8.75	6460 Casing Size 16 9.625 5.5	0 - 80 0 - 2800 0 - 9537	65.0 36.0 17.0	Hole, Casing, Grade & Thread Unknown J-55 ST&C P-110 LT&C	and Cement Info Max Mud Wt. 8.8 8.8 9.7	Hal	lalliburto liburton	Cement Unknown n Light , Type Unkr Premium , Type Un Unknown Unknown	e City Culii	Sacks 0 410 210 610 950	Yield 0.0 3.16 1.36 2.31 1.42	Weight 0.0 11.0 14.8 11.0
String Cond Surf Prod	Hole Size 26 12.25 8.75 VERIFY	6460 Casing Size 16 9.625 5.5	0 - 80 0 - 2800 0 - 9537	65.0 36.0 17.0	Hole, Casing, t Grade & Threac Unknown J-55 ST&C P-110 LT&C	Max Mud Wt. 8.8 8.8 9.7 TTACHMENTS CE WITH THE UT	Hall	lalliburto liburton	Cement Unknown n Light , Type Unkr Premium , Type Un Unknown Unknown	e City Culii	Sacks 0 410 210 610 950	Yield 0.0 3.16 1.36 2.31 1.42	Weight 0.0 11.0 14.8 11.0
String Cond Surf Prod	Hole Size 26 12.25 8.75 VERIFY	6460 Casing Size 16 9.625 5.5	0 - 80 0 - 2800 0 - 9537 ING ARE	65.0 36.0 17.0	Hole, Casing, Grade & Threac Unknown J-55 ST&C P-110 LT&C AT	Max Mud Wt. 8.8 8.8 9.7 TTACHMENTS CE WITH THE UT COM	H Hal	lalliburto liburton	Cement Unknown n Light , Type Unkr Premium , Type Un Unknown Unknown	e City Culii	Sacks 0 410 210 610 950	Yield 0.0 3.16 1.36 2.31 1.42	Weight 0.0 11.0 14.8 11.0
String Cond Surf Prod	Hole Size 26 12.25 8.75 VERIFY VELL PLAT OF	Casing Size 16 9.625 5.5 THE FOLLOW R MAP PREPARE STATUS OF SUE	0 - 80 0 - 2800 0 - 9537 ING ARE A	65.0 36.0 17.0 SED SUR	Hole, Casing, Crade & Threac Unknown J-55 ST&C P-110 LT&C AT ED IN ACCORDAN VEYOR OR ENGINEER	Max Mud Wt. 8.8 8.8 9.7 TTACHMENTS CE WITH THE UT COM ACE) FORM	H Hal	lalliburto liburton	Cement Unknown In Light , Type Unkr Premium , Type Unknown Unknown Unknown Unknown GAS CONSERVATION PLAN R IS OTHER THAN TH	e City Culii	Sacks 0 410 210 610 950	Yield 0.0 3.16 1.36 2.31 1.42	Weight 0.0 11.0 14.8 11.0
String Cond Surf Prod Prod DRILLEE	Hole Size 26 12.25 8.75 VERIFY VELL PLAT OF	Casing Size 16 9.625 5.5 THE FOLLOW R MAP PREPARE STATUS OF SUE	0 - 80 0 - 2800 0 - 9537 ING ARE A	65.0 36.0 17.0 ATTACHI SED SUR	Hole, Casing, Grade & Threac Unknown J-55 ST&C P-110 LT&C AT ED IN ACCORDAN VEYOR OR ENGINEER EMENT (IF FEE SURF	TACHMENTS CE WITH THE UT ACE) FORM TOPO	H Hal	lalliburton L AND G DRILLING DPERATOI ICAL MAR	Cement Unknown In Light , Type Unkr Premium , Type Unknown Unknown Unknown Unknown GAS CONSERVATION PLAN R IS OTHER THAN TH	e City Culii	Sacks 0 410 210 610 950	Yield 0.0 3.16 1.36 2.31 1.42	Weight 0.0 11.0 14.8 11.0
String Cond Surf Prod Prod DRILLEE	VERIFY VELL PLAT OF EFIDAVIT OF ERECTIONAL D)	Casing Size 16 9.625 5.5 THE FOLLOW R MAP PREPARE STATUS OF SUE	0 - 80 0 - 2800 0 - 9537 ING ARE A	65.0 36.0 17.0 ATTACHI SED SUR ER AGREI ONALLY (Hole, Casing, Grade & Threac Unknown J-55 ST&C P-110 LT&C AT ED IN ACCORDAN VEYOR OR ENGINEER EMENT (IF FEE SURF	TACHMENTS CE WITH THE UT ACE) FORM TOPO	H Hal	Ialliburto IL AND CONTILLING DERATOR ICAL MAR	Cement Unknown In Light , Type Unkr Premium , Type Unknown Unknown Unknown Unknown GAS CONSERVATION PLAN R IS OTHER THAN THE	oon gen	Sacks 0 410 210 610 950	Yield 0.0 3.16 1.36 2.31 1.42	Weight 0.0 11.0 14.8 11.0
String Cond Surf Prod Prod Drillet NAME 1 SIGNAT	VERIFY VELL PLAT OF EFIDAVIT OF ERECTIONAL D)	Casing Size 16 9.625 5.5 THE FOLLOW R MAP PREPARE STATUS OF SUF	0 - 80 0 - 2800 0 - 9537 ING ARE A	ATTACHI SED SUR' ER AGREI ONALLY O	Hole, Casing, Grade & Threac Unknown J-55 ST&C P-110 LT&C AT ED IN ACCORDAN VEYOR OR ENGINEER EMENT (IF FEE SURF. DR HORIZONTALLY	TACHMENTS CE WITH THE UT ACE) FORM TOPO	H Hal	Ialliburto IL AND CONTILLING DERATOR ICAL MAR	Cement Unknown I Light , Type Unkr Premium , Type Unknown Unknown Unknown GAS CONSERVATION PLAN R IS OTHER THAN THE	oon gen	Sacks 0 410 210 610 950	Yield 0.0 3.16 1.36 2.31 1.42	Weight 0.0 11.0 14.8 11.0

DRILLING PLAN

BILL BARRETT CORPORATION

5-32D-36 BTR Well Pad

SW NW, 1800' FNL, 607' FWL, Section 32, T3S, R6W, USB&M (surface hole) SW NW, 1980' FNL, 810' FWL, Section 32, T3S, R6W, USB&M (bottom hole)

Duchesne County, Utah

1 - 2. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals

<u>Formation</u>	Depth – MD	Depth - TVD
Lower Green River*	4818'	4810'
Douglas Creek	5656'	5640'
Black Shale	6507'	6490'
Castle Peak	6637'	6620'
Uteland Butte	6967'	6950'
Wasatch*	7357'	7340'
TD	9537'	9520'

^{*}PROSPECTIVE PAY

3. BOP and Pressure Containment Data

Depth Intervals	BOP Equipment
0 – 2800'	No pressure control required
2800' – TD	11" 5000# Ram Type BOP
	11" 5000# Annular BOP
- Drilling spool to a	accommodate choke and kill lines;
- Ancillary equipme	ent and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in
accordance with the	ne requirements of onshore Order No. 2;
- The BLM and the	State of Utah Division of Oil, Gas and Mining will be notified 24 hours in
advance of all BO	OP pressure tests.
- BOP hand wheels	may be underneath the sub-structure of the rig if the drilling rig used is set up
To operate most e	fficiently in this manner.

4. <u>Casing Program</u>

Hole	SETTING	DEPTH	Casing	Casing	Casing		
Size	(FROM)	(TO)	Size	Weight	Grade	<u>Thread</u>	Condition
26"	Surface	80'	16"	65#			
12 1/4"	Surface	2800'	9 5/8"	36#	J or K 55	BT&C	New
8 3/4"	Surface	TD	5 1/2"	17#	P-110	LT&C	New
NOTE:	In addition	8 3/4" hole	size may cha	ange to 7 7/8	" at the poin	t the bit is cl	nanged out.

1

The Wasatch and the Lower Green River are primary objectives for oil/gas.

Bill Barrett Corporation Drilling Program #5-32D-36 BTR Duchesne County, Utah

5. Cementing Program

Casing	Cementing
16" Conductor Casing	Grout
9 5/8" Surface Casing	Lead with approximately 410 sx Halliburton Light Premium with additives mixed at 11.0 ppg (yield = 3.16 ft ³ /sx) circulated to surface with 75% excess. Top of lead estimated at surface.
	Tail with approximately 210 sx Halliburton Premium cement with additives mixed at 14.8 ppg (yield = 1.36 ft ³ /sx), calculated hole volume with 75% excess. Top of tail estimated at 2300°.
5 1/2" Production Casing	Lead with approximately 610 sx Tuned Light cement with additives, mixed at 11.0 ppg (yield = 2.31 ft ³ /sx,). Top of lead estimated at 2300'.
	Tail with approximately 950 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft ³ /sx). Top of tail estimated at 6007'.

6. Mud Program

<u>Interval</u>	<u>Weight</u>	Viscosity	Fluid Loss (API filtrate)	<u>Remarks</u>
0' - 80'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid
80' – 2800'	8.3 – 8.8	26 – 36	NC	System Freshwater Spud Mud Fluid
,				System
2800' – TD	8.6 – 9.7	42-52	20 cc or less	DAP Polymer Fluid System

Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.

7. Testing, Logging and Core Programs

Cores	None anticipated
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Sonic-GR (all TD to surface).
	FMI & Sonic Scanner to be run at geologist's discretion.

NOTE: If BBC pursues the "Alternate" program, a suite of the above logs will be run on both the intermediate and production hole sections.

Bill Barrett Corporation Drilling Program #5-32D-36 BTR Duchesne County, Utah

8. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 4802 psi* and maximum anticipated surface pressure equals approximately 2707 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

- *Max Mud Wt x 0.052 x TD = A (bottom hole pressure)
- **Maximum surface pressure = A (0.22 x TD)

9. Auxiliary Equipment

- a) Upper kelly cock; lower Kelly cock will be installed while drilling
- b) Inside BOP or stab-in valve (available on rig floor)
- c) Safety valve(s) and subs to fit all string connections in use
- d) Mud monitoring will be visually observed

10. Location and Type of Water Supply

Water for the drilling and completion will be trucked from the Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W.

11. Drilling Schedule

Location Construction: August 2011 Spud: August 2011

Duration: 15 days drilling time

45 days completion time

PRESSURE CONTROL EQUIPMENT – Schematic Attached

A. Type: Eleven (11) Inch Double Gate Hydraulic BOP with Eleven (11) Inch Annular Preventer. The blow out preventer will be equipped as follows:

- 1. One (1) blind ram (above).
- 2. One (1) pipe ram (below).
- 3. Drilling spool with two (2) side outlets (choke side 3-inch minimum, kill side 2-inch minimum).
- 4. 3-inch diameter choke line.
- 5. Two (2) choke line valves (3-inch minimum).
- 6. Kill line (2-inch minimum).
- 7. Two (2) chokes with one (1) remotely controlled from the rig floor.
- 8. Two (2) kill line valves, and a check valve (2-inch minimum).
- 9. Upper and lower kelly cock valves with handles available.
- 10. Safety valve(s) & subs to fit all drill string connections in use.
- 11. Inside BOP or float sub available.
- 12. Pressure gauge on choke manifold.
- 13. Fill-up line above the uppermost preventer.

B. Pressure Rating: 5,000 psi

C. Testing Procedure:

Annular Preventer

At a minimum, the Annular Preventer will be pressure tested to 50% of the rated working pressure for a period of ten (10) minutes or until provisions of the test are met, whichever is longer.

At a minimum the above pressure test will be performed:

- 1. When the annular preventer is initially installed;
- 2. Whenever any seal subject to test pressure is broken;
- 3. Following related repairs; and
- 4. At thirty (30) day intervals.

In addition, the Annular Preventer will be functionally operated at least weekly.

Blow-Out Preventer

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yieldstrength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be

maintained for a period of at least ten (10) minutes or until the requirments of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

- 1. When the BOP is initially installed;
- 2. Whenever any seal subject to test pressure is broken;
- 3. Following related repairs; and
- 4. At thirty (30) day intervals.

In addition the pipe and blind rams will be activated each trip, but not more than once each day. All BOP drills and tests will be recorded in the IADC driller's log.

D. Choke Manifold Equipment:

All choke lines will be straight lines unless turns use tee blocks or are targeted with running tees, and will be anchored to prevent whip and vibration.

E. Accumulator:

The accumulator will have sufficient capacity to open the hydraulically-controlled choke line valve (if so equipped), close all rams plus the annular preventer, and retain a minimum of 200 psi above precharge on the closing manifold without the use of closing unit pumps. The fluid reservoir capacity will be double the usable fluid volume of the accumulator system capacity and the fluid level of the reservoir will be maintained at the manufacturer's recommendations.

The BOP system will have two (2) independent power sources to close the preventers. Nitrogen bottles (3 minimum) will be one (1) of these independent power sources and will maintain a charge equal to the manufacturer's specifications.

The accumulator precharge pressure test will be conducted prior to connecting the closing unit to the BOP stack and at least once every six (6) months thereafter. The accumulator pressure will be corrected if the measured precharge pressure is found to be above or below the maximum or minimum limits specified in the Onshore Oil & Gas Order Number 2.

A manual locking device (i.e. hand wheels) or automatic locking device will be installed on all systems of 2M or greater. A valve will be installed in the closing line as close as possible to the annular preventer to act as a locking device. This valve will be maintained in the open position and will be closed only when the power source for the accumulator is inoperative.

Remote controls shall be readily accessible to the driller. Remote controls for all 3M or greater systems will be capable of closing all preventers. Remote controls for 5M or greater systems will be capable of both opening and closing all preventers. Master controls will be at the accumulator and will be capable of opening and closing all preventers and the choke line valve (if so equipped).

F. Miscellaneous Information:

The Blow-Out Preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of Onshore Oil & Gas Order Number 2. The hydraulic BOP closing unit will be located at least twenty-five (25) feet from the well head but readily accessible to the driller. Exact locations and configurations of the hydraulic BOP closing unit will depend upon the particular rig contracted to drill this hole.

A flare line will be installed after the choke manifold, extending 125 feet (minimum) from the center of the drill hole to a separate flare pit.



LAKE CANYON & BLACK TAIL RIDGE CEMENT VOLUMES

2/18/2011

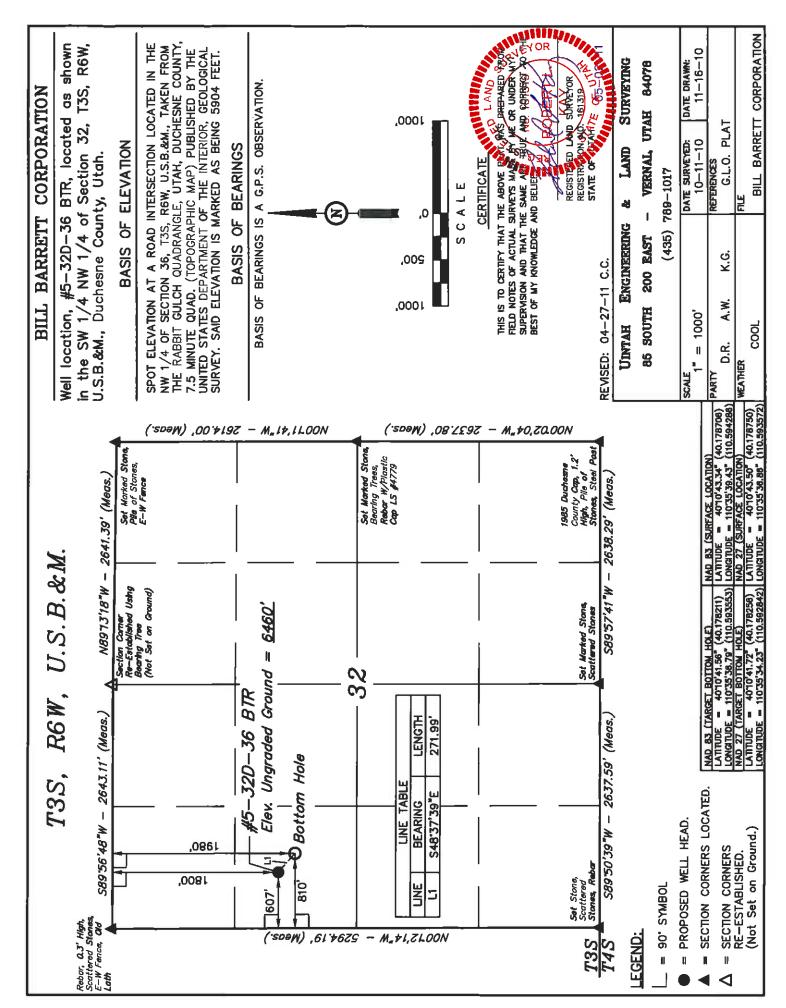
Surface Hole Data:				Calculated Data:		
Total De pth:	2,800'	1	Г	Lead Volume:	1260.6	ft°
Top of Cement:	0,	1		Lead Fill:	2,300	
OD of Hole:	12.250"	1	Г	Tail Volume:	274.0	ſť
OD of Casing:	9.625"	1		Tail Fill:	500'	
Cement Data:			_	Calculated # of		
Cement Data:				Calculated # of	Sacka:	
Cement Data: Lead Yield:	3.16	ft³/sk	Г	Calculated # of	Sacka:	
	3.16 75%	ft"/sk				1
Lead Yi eld :		ft³/sk				ı
Lead Yield: % Excess:	75%	ft³/sk			410	1
Lead Yield: % Excess:	75%	ft"/sk				1
Lead Yield: % Excess: Top of Lead:	75% 0'			# SK's Lead:	410	1

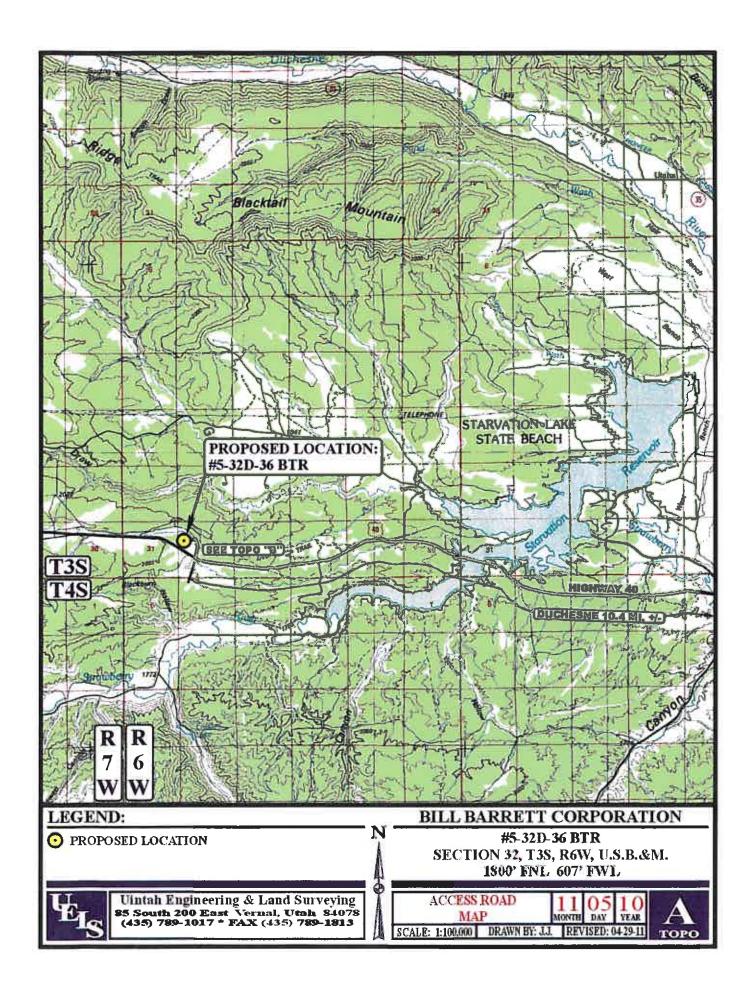
Production Hole Data	<u>!;</u>		Calculated Data:		-
Total De pth :	9,537'	1	Lead Volume:	1404.5	ft°
Top of Cem ent:	2,300'	1	Lead Fill:	3,707	
Top of Tail:	6,007	1	Tail Volume:	1337.6	ft ³
OD of H ole :	8.750"	1	Tail Fill:	3,530	
OD of Casing:	5.500"	1		•	
OD of Casing.	3.300	_			
Cement Data:	3.300	1	Calculated # of	Sacks:	
	2.31	ft³/sk	Calculated → of # SK's Lead:	Sacks: 610	ĺ
Cement Data:	-	ft³/sk ft³/sk		610	

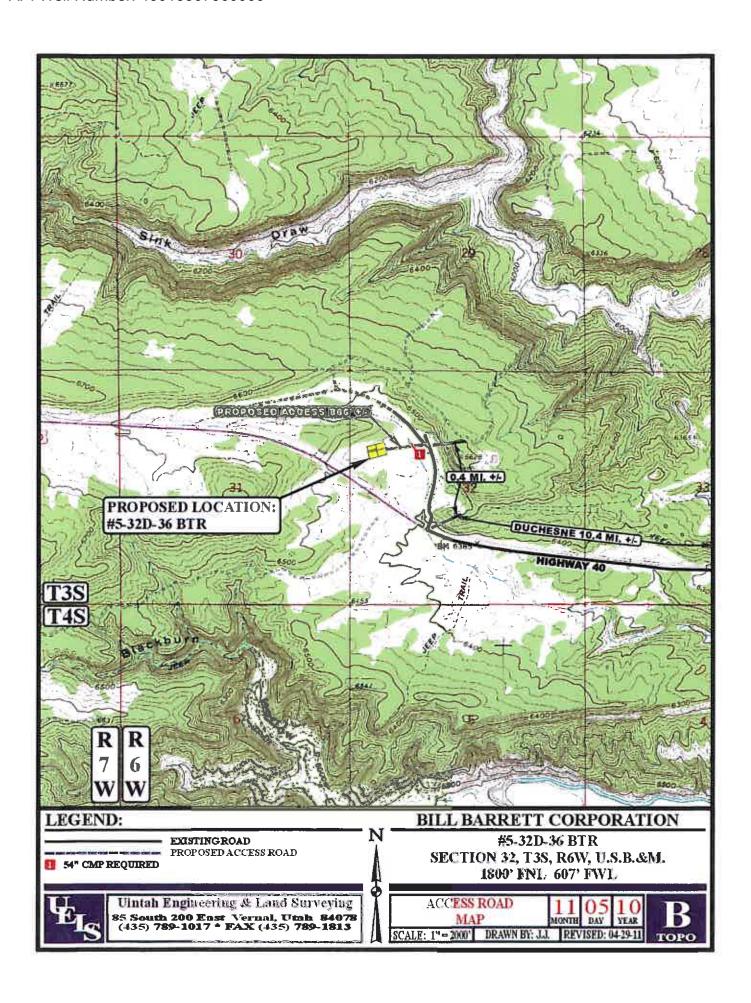
5-32D-36 BTR Proposed Cementing Program

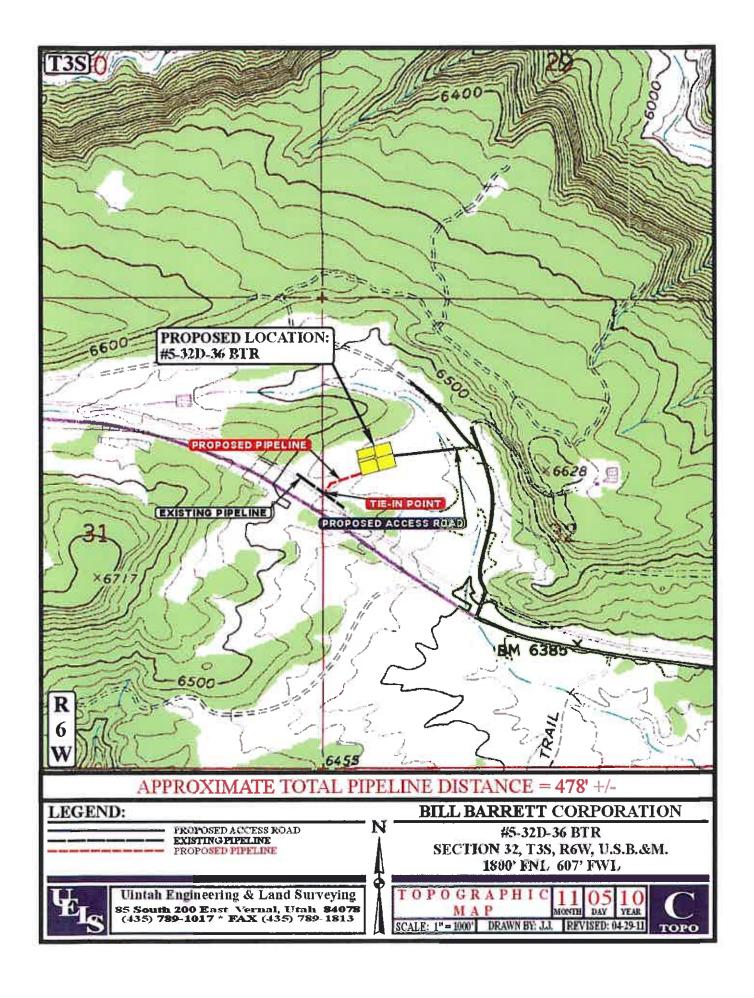
Job Recommendation		Sur	face Casing
Lead Cement - (2300' - 0')			
Halliburton Light Premium	Fluid Weight:	11.0	lbm/gal
5.0 lbm/sk Silicalite Compacted	Slurry Yield:	3.16	ft ³ /sk
0.25 lbm/sk Kwik Seal	Total Mixing Fluid:	19.48	Gal/sk
0.125 lbm/sk Poly-E-Flake	Top of Fluid:	0'	
2.0% Bentonite	Calculated Fill:	-	
	Volume:	224.50	bbl
	Proposed Sacks:	410	sks
Tail Cement - (TD - 2300')			
Premium Cement	Fluid Weight:	14.8	lbm/gal
2.0% Calcium Chloride	Slurry Yield:	1.36	ft ³ /sk
	Total Mixing Fluid:	6.37	Gal/sk
	Top of Fluid:	2,300'	
	Calculated Fill:	500'	
	Volume:	48.80	bbl
	Proposed Sacks:	210	sks

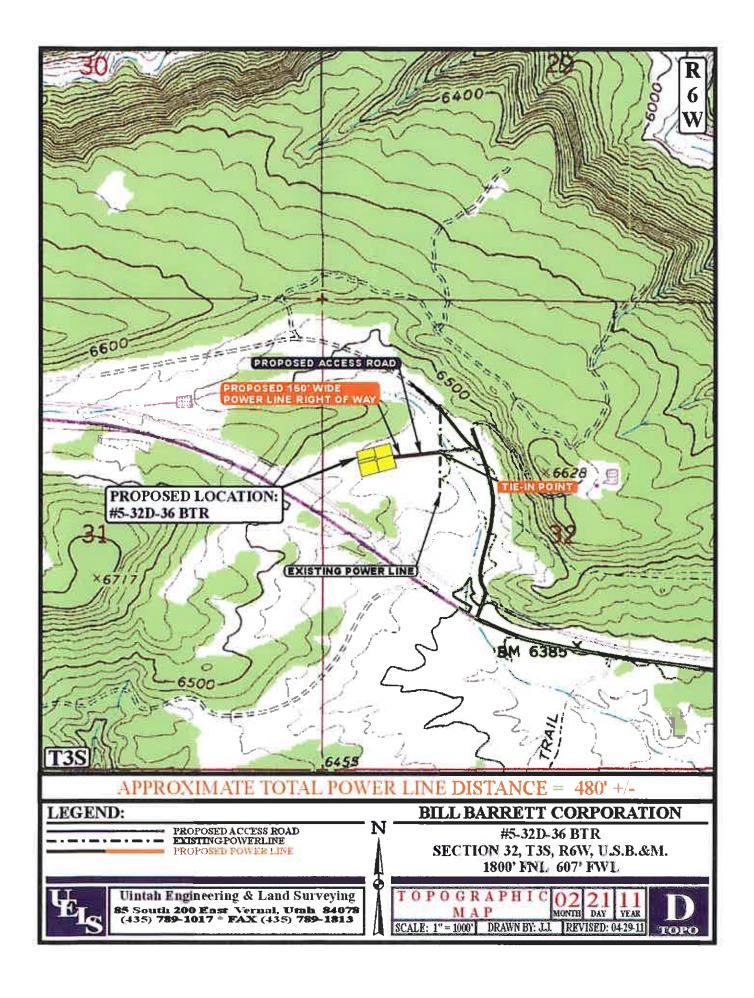
Job Recommendation		Produc	tion Casing
Lead Cement - (6007' - 2300')			
Tuned Light [™] System	Fluid Weight:	11.0	lbm/gal
	Slurry Yield:	2.31	ft ³ /sk
	Total Mixing Fluid:		Gal/sk
	Top of Fluid:	2,300'	
	Calculated Fill:	3,707'	
	Volume:	250.14	bbl
	Proposed Sacks:	610	sks
Tail Cement - (9537' - 6007')			
Econocem TM System	Fluid Weight:		
0.125 lbm/sk Poly-E-Flake	Slurry Yield:	1.42	ft ³ /sk
1.0 lbm/sk Granulite TR 1/4	Total Mixing Fluid:	6.61 -	Gal/sk
l '	Top of Fluid:	6,007'	
	Calculated Fill:	3,530'	
1	Volume:	238.22	bbl
	Proposed Sacks:	950	sks

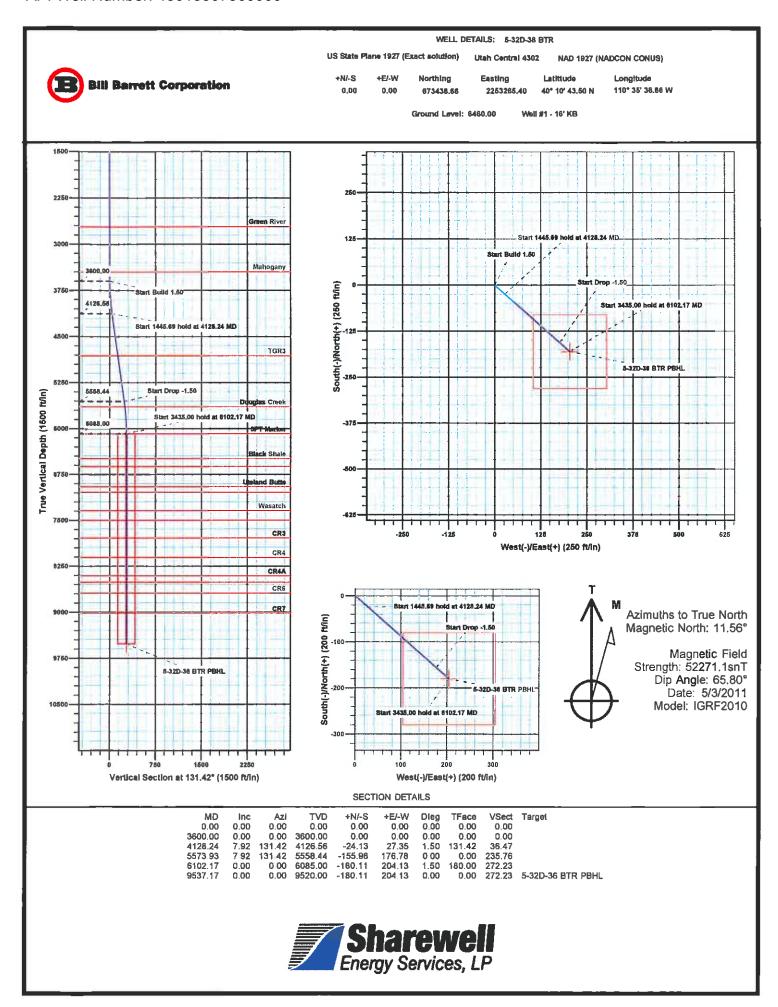














Database: Company: EDM 5000.1 Single User Db

Bill Barrett Corp.

Project:

Duchesne County, UT [NAD27]

Site! Well: Wellbore: 5-32D-36 BTR Well #1 - 16' KB

Wellbore #1 plan1 03may11 rbw Local Co-ordinate Reference:

TVD Reference:

MD Reference: North Reference:

Survey Calculation Method:

Well Well #1 - 16' KB KB @ 6476.00ft KB @ 6476,00ft

True

Minimum Curvature

Design: Project

Duchesne County, UT [NAD27]

Map System: Geo Datum:

US State Plane 1927 (Exact solution) NAD 1927 (NADCON CONUS)

Map Zone:

Utah Central 4302

System Datum:

Mean Sea Level

Site

Weit

5-32D-36 BTR

Site Position: From:

Well Position

Lat/Long

Northing: Easting: Slot Radius:

673,438.65 usft 2,253,265.40 usft Latitude: Longitude:

Grid Convergence:

40° 10' 43.50 N

110* 35' 36.86 W 0.58 *

Position Uncertainty:

Well #1 - 16' KB

+N/-S +E/-W 0.00 ft 0.00 ft

0.00 ft

Northing: Easting:

673,438.65 usft 2,253,265.40 usft

1.10 ft

Latitude: Longitude:

40° 10' 43.50 N 110° 35' 36 86 W

Position Uncertainty

0.00 ft

Wellhead Elevation:

Ground Level:

6,460.00 ft

Wellbore	Wellbore #1
CO-COMPLETE PORTS	

Magnetics	Model Name	Sample Date	Declination (*)	Dip Angle (*)	Field Strength (nT)
	IGRF2010	5/3/2011	11.56	65,80	52,271

Design

Audit Notes:

Version: Phase:

plan1 03may11 rbw

PROTOTYPE

Tie On Depth: +E/-W

0.00 Direction (")

131.42

Vertical Section: Depth From (TVD) +N/-S (ft) (ft) (ft) 0.00 0.00 0.00

Measured Depth (ft)	Inclination (°)	Azimuth	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Paging Rate (*/100ft)	Build Rate (*/100ft)	Turn Rate (*/100ft)	TFO (*)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,128.24	7.92	131.42	4,126.56	-24.13	27.35	1.50	1.50	0.00	131.42	
5,573.93	7.92	131.42	5,558.44	-155,98	176.78	0.00	0.00	0.00	0.00	
6,102.17	0.00	0.00	6,085.00	-180.11	204.13	1.50	-1.50	0.00	180.00	
9,537.17	0.00	0.00	9,520.00	-180.11	204.13	0.00	0,00	0.00	0.00	5-32D-36 BTR PBI



Database: Company: EDM 5000,1 Single User Db

Bill Barrett Corp.

Project: Duchesne County, UT [NAD27] Site:

Well:

5-32D-36 BTR Well #1 - 16' KB

Wellbore #1

Local Co-ordinate Reference:

TVD Reference: MD Reference:

North Reference:

Survey Calculation Method:

Well Well #1 - 16' KB KB @ 6476,00ft KB @ 6476,00ft

True

Minimum Curvature

/elibore; esign;	Wellbore #1 plan1 03may1	1 rbw							
Planned Survey									
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Vertical Section	Dogleg Rate	Build Rate	Turn Rate
(m)	(J)	(*)	(ft)	(ft)	(ft)	(ft)	("/100ft)	(°/100ft)	("/100ft)
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build	1.60								
3,700.00	1.50	131.42	3,699.99	-0.87	0.98	1.31	1.50	1.50	0.00
3,800.00	3.00	131.42	3,799.91	-3.46	3.93	5.23	1.50	1.50	0.00
3,900.00	4.50	131.42	3,899.69	-7.79	8.83	11.77	1.50	1.50	0.00
4,000.00	6.00	131.42	3,999.27	-13.84	15.69	20.92	1.50	1.50	0.00
4,100.00	7.50	131.42	4,098.57	-21.62	24.50	32.68	1.50	1.50	0.00
4,128.24	7.92	131.42	4,126.56	-24.13	27.35	36.47	1.50	1.50	0.00
	9 hold at 4128.2	4 MD							
4 200 00	7.92	131.42	4 107 62	20.07	04.70	40.00	0.00	0.00	0.00
4,200 00 4,300.00	7.92	131.42	4,197.63 4,296.68	-30,67 -39,79	34.76	46.36	0.00	0.00 0.00	0.00 0.00
4,400.00	7.92	131.42	4,395.72	-39.79 -48.91	45.10 55.44	60.15 73.93	0.00 0.00	0.00	0.00
4,500.00	7.92	131.42	4,395.72	-58.03	65.77	87.72	0.00	0.00	0.00
4,600.00	7.92	131.42	4,593.81	-67.15	76.11	101.50	0.00	0.00	0.00
,			·						
4,700.00	7.92	131.42	4,692.86	-76.27	86.45	115.29	0.00	0.00	0.00
4,800.00	7.92	131.42	4,791.90	-85.39	96.78	129.07	0.00	0.00	0.00
4,818.27	7.92	131.42	4,810.00	-87.06	98.67	131.59	0.00	0.00	0.00
TGR3	7.00	424.42	4 800 05	04.54	407.40	440.00	0.00	0.00	0.00
4,900.00 5,000.00	7.92 7.92	131.42 131.42	4,890.95	-94.51	107.12	142.86	0.00	0.00 0.00	0.00
5,000.00	1.92	131.42	4,990.00	-103.63	117.46	156,64	0.00	0.00	0.00
5,100.00	7.92	131.42	5,089.04	-112.76	127.80	170.43	0.00	0.00	0.00
5,200.00	7.92	131.42	5,188.09	-121.88	138.13	184.21	0.00	0.00	0.00
5,300.00	7.92	131.42	5,287.13	-131.00	148.47	198.00	0.00	0.00	0.00
5,400.00	7.92	131.42	5,386.18	-140.12	158.81	211.78	0.00	0.00	0.00
5,500.00	7.92	131.42	5,485.22	-149.24	169.14	225.57	0.00	0.00	0.00
5,573.93	7.92	131.42	5,558.44	-155.98	176.76	235.76	0.00	0.00	0.00
Start Drop	1.50								
5,600.00	7.53	131.42	5,584.28	-158.30	179.41	239.27	1.50	-1.50	0.00
5,656.15	6.69	131.42	5,640.00	-162.90	164.63	246.22	1,50	-1.50	0.00
Douglas Cr	e ek								
5,700.00	6.03	131.42	5,683.58	-166.11	188.27	251.07	1.50	-1.50	0.00
5,800.00	4.53	131.42	5,783.15	-172.20	195.17	260 28	1.50	-1.50	0.00
5,900.00	3.03	131.42	5,882.93	-176.57	200 12	266.88	1,50	-1.50	0.00
6,000.00	1.53	131.42	5,982.85	-179.20	203 11	270.86	1,50	-1.50	0.00
6,100.00	0.03	131.42	6,082.83	-180.11	204.13	272.23	1.50	-1.50	0.00
6,102.17	0.00	0.00	6,085.00	-180.11	204 13	272 23	1.50	-1.50	0.00
Start 3435.0	00 hold at 6102.17	7 MD - 3PT Mari	ker						
6,200.00	0.00	0.00	6,182.83	-180.11	204.13	272.23	0.00	0.00	0.00
6,300.00	0 00	0.00	6,282 83	-180.11	204.13	272.23	0.00	0.00	0.00
6,400.00	0 00	0.00	6,382.83	-180.11	204.13	272.23	0.00	0.00	0.00
6,500.00	0.00	0.00	6,482.83	-180.11	204.13	272.23	0.00	0.00	0.00
6,507.17	0.00	0.00	6,490.00	-180.11	204.13	272.23	0.00	0.00	0.00
Black Shale					•		3.00	2.22	
6,600.00	0.00	0.00	6,582.83	-180.11	204.13	272.23	0.00	0.00	0.00
-									
6,637.17	0.00	0.00	6,620.00	-180 11	204.13	272.23	0.00	0.00	0.00
Castle Peal			0.000.00	400.44	004.45	979.50			
6,700.00	0.00	0.00	6,682.83	-180.11	204 13	272.23	0.00	0.00	0.00
6,800.00	0.00	0.00	6,782.83	-180.11	204.13	272.23	0.00	0.00	0.00
6,900.00 6,967.17	0.00 0.00	0.00	6,882.83 6,950.00	-180.11 -180.11	204.13	272.23 272.23	0.00 0.00	0.00 0.00	0.00 0.00
		0.00	0,650.00	~100.11	204.13	212.23	0.00	0.00	0.00
Uteland But	TTE								
7,000.00	0.00	0.00	6,982.83	-180.11	204.13	272.23	0.00	0.00	0.00
7,057.17	0.00	0.00	7,040.00	-180.11	204.13	272.23	0.00	0.00	0.00



Database: Company: EDM 5000,1 Single User Db

Bill Barrett Corp.

Project:

Duchesne County, UT [NAD27]

Site: Well: 5-32D-36 BTR Weil #1 - 16' KB

Wellbore: Wellbore #1
Design: plan1 03may11 rb

Local Co-ordinate Reference:

TVD Reference:

MD Reference: North Reference:

Survey Calculation Method:

Well Well #1 - 16' KB KB @ 6476,00ft KB @ 6476,00ft

True

Minimum Curvature

esign:	plan1 03may1	1 rbw							
lanned Survey									
Measured Depth (ft)	Inclination (*)	Azimuth	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (*/108ft)	Build Rate (*/100ft)	Turn Rate (*/100ft)
CR1									
7,100.00	0.00	0.00	7,082.83	-180.11	204.13	272.23	0.00	0.00	0.00
7,200,00	0.00	0.00	7,182.83	-180.11	204.13	272.23	0.00	0.00	0.00
7,300 00	0.00	0.00	7,282.83	-180.11	204.13	272.23	0.00	0.00	0.00
			·						
7,357.17 Wasatch	0.00	0.00	7,340.00	-180.11	204.13	272.23	0.00	0.00	0.00
7,400.00	0,00	0.00	7,382.83	-180.11	204.13	272,23	0.00	0.00	0.00
7,500.00	0.00	0.00	7,482.83	-180.11	204.13	272.23	0.00	0.00	0.00
7,517.17	0.00	0.00	7,500.00	-180.11	204.13	272.23	0.00	0.00	0.00
CR2									
7,600.00	0,00	0.00	7,582.83	-180.11	204.13	272.23	0.00	0.00	0.00
7,700.00	0.00	0.00	7,682.83	-180.11	204.13	272.23	0.00	0.00	0.00
7,800.00	0.00	0.00	7,782.83	~180.11	204.13	272.23	0.00	0.00	0.00
7,807.17	0.00	0.00	7,790.00	-180.11	204.13	272.23	0.00	0.00	0.00
CR3									
7,900.00	0.00	0.00	7,882.83	-180.11	204.13	272.23	0.00	0.00	0.00
8,000.00	0.00	0.00	7,982.83	-180.11	204.13	272.23	0.00	0.00	0.00
8,100.00	0.00	0.00	8.082.83	-180.11	204.13	272.23	0.00	0.00	0,00
8,127.17	0.00	0.00	8,110.00	-180.11	204.13	272.23	0.00	0.00	0.00
CR4			•						
8,200.00	0.00	0.00	8,182.83	-180.11	204.13	272.23	0.00	0.00	0.00
8,300.00	0.00	0.00	8,282,83	-180.11	204.13	272.23	0.00	0.00	0.00
8,400.00	0.00	0.00	8,382.83	-180.11	204.13	272.23	0.00	0.00	0.00
-			•						
8,427.17	0.00	0.00	8,410.00	-180.11	204.13	272.23	0.00	0.00	0.00
CR4A									
8,500.00	0.00	0.00	8,482.83	-180.11	204.13	272.23	0.00	0,00	0.00
8,532.17	0.00	0.00	8,515.00	-180.11	204.13	272.23	0.00	0.00	0.00
CR5									
8,600.00	0.00	0.00	8,582.83	-160.11	204.13	272.23	0.00	0.00	0.00
8,700.00	0.00	0.00	8,682.63	-160.11	204.13	272.23	0.00	0.00	0.00
8,707.17	0,00	0.00	8,690.00	-180.11	204.13	272.23	0.00	0.00	0.00
-	U.UU	0.00	0,080.00	-100.11	204.13	212.23	0.00	0.00	0.00
CR6		0.55	a 7an co	400.44	00440	070.00	0.00	0.00	0.00
8,800.00	0.00	0.00	8,782.83	-180.11	204.13	272.23	0.00	0.00	0.00
8,900.00	0.00	0.00	8,882.83	-180.11	204.13	272.23	0.00	0.00	0.00
9,000.00	0.00	0.00	8,982.83	-180.11	204.13	272.23	0.00	0.00	0.00
9,037.17 CR7	0.00	0.00	9,020.00	-180.11	204.13	272.23	0.00	0.00	0.00
9,100.00	0.00	0.00	9,082.83	-180.11	204.13	272.23	0.00	0.00	0.00
9,200.00	0.00	0.00	9,182.83	-180.11	204.13	272.23	0.00	0.00	0.00
9,300,00	0.00	0.00	9,282.83	-180.11	204.13	272.23	0.00	0.00	0.00
9,400.00	0.00	0.00	9,382.83	-180.11	204.13	272.23	0.00	0.00	0.00
9,500.00	0.00	0.00	9,482.83	-180.11	204.13	272.23	0.00	0.00	0.00
9,537.17	0.00	0.00	9,520.00	-180.11	204.13	272.23	0.00	0.00	0.00
	7 - 5-32D-36 BT								



Database: Company: EDM 5000.1 Single User Db

Bill Barrett Corp.

Project: Duchesne County, UT [NAD27]

Site: Well: Wellbore: 5-32D-36 BTR Well #1 - 16' KB

Wellbore #1 Design: plan1 03may11 rbw Local Co-ordinate Reference:

TVD Reference:

MD Reference: North Reference:

Survey Calculation Method:

Well Well #1 - 16' KB KB @ 6476,00ft KB @ 6476.00ft

True Minimum Curvature

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle	Dip Dir.	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
5-32D-36 BTR PBHL	0.00	0.00	9,520.00	-180.11	204.13	673,260.63	2,253,471.34	40° 10' 41.72 N	110° 35′ 34.23 W

- plan hits target center - Rectangle (sides W200.00 H200.00 D3,435.00)

Measured	Vertical				Dip
Depth	Depth			Dip	Direction
(ft)	(R)	Name	Lithology	(°)	m
2,710.00	2,710.00	Green River		0.00	
3,445.00	3,445.00	Mahogany		0.00	
4,818.27	4,810.00	TGR3		0.00	
5,656.15	5,640.00	Douglas Creek		0.00	
6,102.17	6,085.00	3PT Marker		0.00	
6,507.17	6,490.00	Black Shale		0.00	
6,637.17	6,620.00	Castle Peak		0.00	
6,967.17	6,950.00	Uteland Butte		0.00	
7,057.17	7,040.00	CR1		0.00	
7,357.17	7,340.00	Wasatch		0.00	
7,517.17	7,500.00	CR2		0.00	
7,807.17	7,790.00	CR3		0.00	
8,127.17	8,110.00	CR4		0.00	
8,427.17	8,410.00	CR4A		0.00	
8,532 .17	8,515.00	CR5		0.00	
6,707.17	6,690.00	CR6		0.00	
9,037.17	9,020.00	CR7		0.00	

an Annotations					
Measure	d Vertical	Local Coo	rdinates		
Depth (ft)	Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment	
3,600	00 3,600.00	0.00	0.00	Start Build 1.50	
4,128	24 4,126.56	-24.13	27.35	Start 1445.69 hold at 4128.24 MD	
5,573	93 5,558.44	-155.98	176.78	Start Drop -1.50	
6,102	17 6.085.00	-180.11	204.13	Start 3435.00 hold at 6102.17 MD	
9,537	17 9,520.00	-180.11	204.13	TD at 9537.17	

57-32-36 BTR

SURFACE DAMAGE AND RIGHT-OF-WAY SETTLEMENT AGREEMENT

This Agreement, made and entered into this the 22nd day of <u>December</u>, 2010, by and between <u>Ricky S. Nelson and Sandra A. Nelson, husband and wife</u> ("Surface Owner") and <u>Bill Barrett Corporation</u>, 1099 18th Street, Suits 2300, <u>Denver CO 80202</u>, ("BBC").

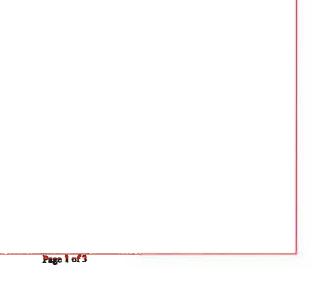
WITNESSETH THAT:

WHEREAS, BBC owns undivided interests in certain oil and gas leases ("leases") covering and affecting All of Section 32. Township 3 South, Range 6 West, USM, of <u>Duchesne</u> County, Utah; and,

WHEREAS, such losses grant to BBC the right and privilege of ingress, exploring, drilling, mining, operating for, producing and owning oil and gas and all other produces produced therewith, together with the right to make surveys on said lands, lay pipelines, countract roads and bridges, dig canals, build power stations, telephone lines, employee houses and other structures on said lands, necessary or useful in BBC's operations; and,

WHEREAS, BBC, pursuant to its rights under the Leases, intends to drill the #5-32-36 BTR well at a legal drill-site location in the SW1/4NW1/4 of Section 32, Township 3 South, Range 6 West, USM, Duchesne County, Utah; and,

WHEREAS, Surface Owner warrants ownership to the surface of at least specific portions of Lot 4. Lakeview Pine Estates, located in Section 32. Township 3 South, Range 6 West, USM, Duchesne County, Utah, and which warranted ownership is further subject to all oil, gas and other mineral rights which are reserved for the use and benefit of the owners thereof, and,



04/01/5011 10:01 18012630383

BBC shall maintain all roads used pursuant to this Agreement and shall install culverts where necessary to insure adequate drainage from all roads.

Surface Owner and their heirs or assigns shall have full access and use of the road built pursuant to this Agreement.

This Agreement shall insure to the benefit of the parties hereto, their heirs, successors and assigns and shall be a burden running with the land.

This Agreement may be executed in any number of counterparts and all such counterparts shall be desired to countitude a single Agreement and the execution of one counterpart by any party hereto shall have the same force and effect as if said party had signed all other counterparts.

Page 2 of 3

Settlement Agreement effective as of the 22nd day of December, 2010. BILL BARRETT CORPORATION SURFACE OWNERS: As Agent for Bill Barrett Corporation SANDRA A. NELSON STATE OF UTAH COUNTY OF WASHINGTON) , 2010, personally appeared before me On the day of Ricky S. Nelson and Sandra A. Nelson, husband and wife known to me to be the persons whose names are subscribed to the foregoing instrument and acknowledged to me that they executed the same for the purpose and consideration therein expressed. NOTARY FUELC EXHELE NORTHENGTON COMMERCIA # 579061 COMMERCIA # 579061 STATE OF UTAH Notary Public Residing et: 910 South Bluff
St. George, LCT 84770 My Commission Expires: 01/10 STATE OF UTAH COUNTY OF SALT LAKE) On the 17 day of M Arch., 2010, personally appeared before me , who, being by me duly sworn, did say that he is the Acent of Bill Barrett Corporation and that said instrument was signed in behalf of said corporation by authority of a resolution of its Board of Directors and said Clint W. Turner acknowledged to me that said corporation executed the same.

IN WITNESS WHEREOF, the parties have executed this Surface Damage

Notary Public

Residing at:

DANIEL WILLIAM COSTLEY

MUNICIPALITY OF STATE OF STATE

COMM. EXP. 16-24-2014

My Commission Expires: 10-24-2014

STATE OF UTAH COUNTY OF DUCHESNE

SURFACE LAND USE AGREEMENT

KNOW ALL MEN BY THESE PRESENTS, THAT:

WHEREAS, John Edward Burgess, whose mailting address is 5150 S. Daloidge Avenus \$21, Fahrump, NV 89048 (hereinsther referred to as GRANTOR), whether one or more), is the owner of the surface of the following described property located in Duchestne County, Utah, to-wit:

TOWNSHIP 3 SOUTH, RANGE 6 WEST, USM
Section 32: A portion of Lot 7 of the Lakeview Pines Estatus Stabilivision described as:
Beginning at a point that bears 0070879? Best 1324.85 fines along the East
line of the NEI/4NW1/4 Section 32, T3S-R6W, U.S.B.AM, and 89°58'31"
West 907.29 feet along the South line of the NEI/4NW1/4 of said Section
32 to the true point of beginning, there South 122.77 feet; thence
South 99°30'00" West 149.00 feet; thence South 21°06'00" East 200.00 South 19-37-07 west 14-300 tree; menso south 21-00 tests 220-07. But; thence South 68-26-21. West 492.98 feet; thence North 00-10-27. West 635.97 feet along the West line of the SE1/4NW1/4 of said Section 32; thence North 89-78-73.1° East 413.53 feet along the North line of the SE1/4NW1/40-feet Section 32 end to the point of beginning.

Combine 5-280 sortes more or less.

Sas Rybibli "A" Attached

WHEREAS, Bill Burrett Corporation, whose address in 1099 18th Strant, Suite 2300, Deaver, CO 80202 (herelander referred to as GRANTES) desires to construct an assess read and a pipalina or pipelines and appartenances thereto for the transportation of natural gas, water, saltwarer and other substances on a particular of said property.

WHEREAS, Granton has agreed to reimburan Grantor for actual damages and injuries to all crops, timber, finess and other improvements located on the surface which results from granten's operations becauseder, provided that Granton shall not be held liable or responsible for acts of providence or occurrences beyond Granton's control, such payment to be made upon commencement of operations to construct the road and pipeline or pipelines; so,

Page 1 of 3

Phone # 209-261-9583

FOR THE SAME CONSIDERATION RECTTED ABOVE, Greene and Greates do hereby release, discharge and acquit the other from my and all Hability, and shall indemnify the other against my and all claims and demands for damages, attorneys then, injury or loss, existing now or done hereafter, to the nurthest of said lands or to say third parties arising our of or being the most of their or, their agents, contracture, illectuses, permittees, suncessors and assigns over activities up or that of, her subject property. However, such parties' potential liability under this paragraph to the other shall be limited to the acts and/or emission of it, or its predocators, agents, contractors, licensees, permittees, successors, and savigns, and shall not include any acts and/or contractors, licensees, permittees, successors or essigns. Grantes shall returnship maintain the subject property to order to prevent unnecessary deterfectation of the surface and to heap the property in an unlittered condition.

TO HAVE AND TO HOLD the showe described rights and eastmooths, together with all rights necessary to operate and maintain the right-of-way hereby greated unto the said Grantee, in successors and assigns, until such there as the right-of-way and eastmooth is abundanted under the tenne stipulated describ. The Grantee may surige the rights and eastmooth berein granted, either in whole or in part, abbject to the terms of this grant, and such rights and eastmooth shall be coverage running with the land and are binding upon Grantor, Grantor's heles, legal representatives and successors in title.

Upon abandonment of the facilities Oyume shall restore such facilities to as own its original condition as possible and shall firminh a recordable document evidencing such abundanment to Grantor, or Grantor's successors in interest, and all rights that Granton has under the terms of this Agreement shall be

The making, execution and delivery of this document by Granter has been induced by no representations, statements, warparties, or other agreements other than those bursts expressed. This agreement embodies the entire understanding of the parties, and this instrument may be ascended or modified only by subsequent written agreement of the parties.

This agreement shall instre to the benefit of the puriles haven, their hairs, successors, and assigns and shall be a burden running with the land.

IN WITNESS WHEREOF, this Surface Land Use Agreement is executed as of the dates of the respective acknowledgments of the parties hereto, but is effective as of the 20th day of April, 2010.

NTOR:

John Elward Burger

May Edward Burger

25 APRIL 2011

See selected week (or

GRANTEE:

BY: Clint W. Tenner, as Agent for Bill Burrent Corporation

ACKNOWLEDGMENT

STATE OF NEVADA

COUNTY OF CLAR

WITNESS my band and official mail.

Notary Public Residing at:

My Commission Expires: 94 30, 2014



ACKNOWLEDGMENT

STATE OF UTAH COUNTY OF SALT LAKE

On this day of Mar All 2011, personally appeared before me Clint W. Turner, who, being by me duly awars, did my that he is the Agent for Bill Barrett Corporation and that said instrument was signed in behalf of said corporation by authority of a resolution of its Board of Directors and said Clint W. Turner acknowledged to me that said corporation executed the same.

My Commission Bapires: MATH 8, 1015

DIP (

Residing at:

NOTARY IF BUC

NOTANY P BLIC ATTAN No CONTANT PROPERTY OF AN EXCEL OF AN

Page 3 of 3

SURFACE USE PLAN

BILL BARRETT CORPORATION

5-32D-36 BTR Well Pad

SW NW, 1800' FNL, 607' FWL, Section 32, T3S, R6W, USB&M (Surface Hole) SW NW, 1980' FNL, 810' FWL, Section 32, T3S, R6W, USB&M (Bottom Hole)

Duchesne County, Utah

The project is located entirely on private surface with surface use in place:

- Pad area and pipeline and powerline corridors Ricky & Sandra Nelson
- Access corridor
 - o Ricky & Sandra Nelson
 - John Edward Burgess

The project is located entirely on Ute Tribe minerals.

The onsite inspection with the surface owner is pending.

The excavation contractor would be provided with an approved copy of the surface use plan of operations before initiating construction.

1. <u>Existing Roads:</u>

- a. The proposed well site is located approximately 11.0 miles west of Duchesne, Utah. Maps and directions reflecting the route to the proposed well site are included (see Topographic maps A and B).
- b. The existing UDOT maintained Highway 40 would be utilized from Duchesne for 10.4 miles to an existing BBC maintained access road that would be utilized for 0.4 miles that provides access to the planned new access road.
- c. Project roads would require routine year-round maintenance to provide year-round access. Maintenance would include inspections, reduction of ruts and holes, maintenance to keep water off the road, replacement of surfacing materials, and clearing of sediment blocking ditches and culverts. Should snow removal become necessary, roads would be cleared with a motor grader and snow would be stored along the down gradient side to prohibit runoff onto the road. Aggregate would be used as necessary to maintain a solid running surface and minimize dust generation.
- d. Vehicle operators would obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions. Travel would be limited to the existing access roads and proposed access road.
- e. The use of roads under State Road Department maintenance are necessary to access the project area with no improvements proposed. No encroachment or pipeline crossing permits are required.

Bill Barrett Corporation Surface Use Plan 5-32D-36 BTR Duchesne County, UT

f. All existing roads would be maintained and kept in good repair during all phases of operation.

2. Planned Access Road:

- a. Approximately 866 feet of new access road trending west is planned from the existing 14-29-36 BTR access road (see Topographic Map B).
- b. The road would be constructed to a 30-foot ROW width with an 18-foot travel surface. See section 12.d. below for disturbance estimates.
- c. New road construction and improvements of existing roads would typically require the use of motor graders, crawler tractors, 10-yard end dump trucks, and water trucks. The standard methodology for building new roads involves the use of a crawler tractor or track hoe to windrow the vegetation to one side of the road corridor, remove topsoil to the opposing side of the corridor, and rough-in the roadway. This is followed by a grader or bulldozer to establish barrow ditches and crown the road surface. Where culverts are required, a track hoe or backhoe would trench the road and install the culverts. Some hand labor would be required when installing and armoring culverts. Road base or gravel in some instances would be necessary and would be hauled in and a grader used to smooth the running surface.
- d. The proposed road would be constructed to facilitate drainage, control erosion and minimize visual impacts by following natural contours where practical. No unnecessary side-casting of material would occur on steep slopes.
- e. A maximum grade of 10% would be maintained throughout the project with minimum cuts and fills, as necessary, to access the well.
- f. Excess rock from construction of the pad may be used for surfacing of the access road if necessary. Any additional aggregate necessary would be obtained from private or State of Utah lands in conformance with applicable regulations. Aggregate would be of sufficient size, type, and amount to allow all weather access and alleviate dust.
- g. Where topsoil removal is necessary, it would be windrowed (i.e. stockpiled/accumulated along the edge of the ROW and in a low row/pile parallel with the ROW) and re-spread over the disturbed area after construction and backfilling are completed. Vegetation removed from the disturbed area would also be re-spread to provide protection, nutrient recycling, and a seed source for reclamation.
- Turnouts are not proposed because the access road is short and adequate site distance exists in all directions.

Bill Barrett Corporation Surface Use Plan 5-32D-36 BTR Duchesne County, UT

- i. One 54 inch culvert and no low-water crossings are anticipated. Adequate drainage structures, where necessary, would be incorporated into the remainder of the road to prevent soil erosion and accommodate all-weather traffic.
- j. No gates or cattle guards are anticipated at this time.
- k. Surface disturbance and vehicular travel would be limited to the approved location access road. Adequate signs would be posted, as necessary, to warn the public of project related traffic.
- All access roads and surface disturbing activities would conform to the appropriate standard, no higher than necessary, to accommodate their intended function adequately as outlined in the Bureau of Land Management and Forest Service publication: <u>Surface Operating Standards for Oil and Gas Exploration</u> and Development, Fourth Edition – Revised 2007.
- m. The operator would be responsible for all maintenance needs of the new access road.

3. <u>Location of Existing Wells (see One-Mile Radius Map):</u>

a. Following is a list of wells with surface hole locations within a one-mile radius of the proposed pad:

i.	water wells	none
ii.	injection wells	none
iii.	disposal wells	none
iv.	drilling wells	one
v.	temp shut-in wells	none
vi.	producing wells	five
vii.	abandoned wells	three

4. <u>Location of Production Facilities</u>

- a. Surface facilities would consist of a wellhead, separator, gas meter, (1) 500 gal methanol tank, (1) 500 glycol tank, (3) 500 bbl oil tanks, (1) 500 bbl water tank, (1) 500 bbl test tank, (1) 1000 gal propane tank, a pumping unit or Roto-flex unit or gas lift unit with a natural gas fired motor, solar panels, solar chemical and methanol pumps and one trace pump. See attached proposed facility diagram.
- b. Most wells would be fitted with a pump jack or Roto-flex unit or gas lift to assist liquid production if liquid volumes and/or low formation pressures require it. Plunger lift systems do not require any outside source of energy. The prime mover for pump jacks or Roto-flex units would be small (75 horsepower or less), natural gas-fired internal combustion engines. If a gas lift is installed, it would be set on a 10 ft x 15 ft pad and the prime mover would be a natural gas-fired internal combustion engine rated at 200 horsepower or less or an electric compressor of similar horsepower powered by a generator.

Bill Barrett Corporation Surface Use Plan 5-32D-36 BTR Duchesne County, UT

- c. The tank battery would be surrounded by a secondary containment berm of sufficient capacity to contain 1.1 times the entire capacity of the largest single tank and sufficient freeboard to contain precipitation. All loading lines and valves would be placed inside the berm surrounding the tank battery or would utilize catchment basins to contain spills. All liquid hydrocarbon production and measurement shall conform to the provisions of 43 CFR 3162.7-2 and Onshore Oil and Gas Order No. 4 for the measurement of oil.
- d. Gas meter run(s) would be constructed and located on lease within 500 feet of the wellheads. Meter runs would be housed and/or fenced. As practicably feasible, meters would be equipped with remote telemetry monitoring systems. All gas production and measurement shall comply with the provisions of 43 CFR 3162.7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.
- e. A combustor may be installed at this location for control of associated condensate tank emissions. A combustor ranges from 24 inches to 48 inches wide and is approximately 27 ft tall. Combustor placement would be on existing disturbance.
- f. Approximately 478 feet of pipeline corridor (see Topographic Map C) containing up to three lines (one gas pipeline up to 8 inch in diameter, one water line up to 4 inch in diameter and one residue line up to 4 inch in diameter) is proposed trending southwest to the existing 14-29-36 BTR pipeline corridor. Pipelines would be constructed of steel, polyethylene or fiberglass and would connect to the existing pipeline servicing nearby BBC and El Paso wells. The pipeline crosses entirely private surface.
- g. The new segment of gas pipeline would be surface laid within a 30 foot wide pipeline corridor adjacent to the proposed access road. See 12.d below for disturbance estimates.
- h. The use of the proposed well site and access roads would facilitate the staging of the pipeline construction.
- Pipeline construction methods and practices would be planned and conducted by BBC with the objective of enhancing reclamation and fostering the reestablishment of the native plant community.
- j. All permanent above-ground structures would be painted a flat, non-reflective color, such as Juniper Green, to match the standard environmental colors. All facilities would be painted the designated color at the time of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.

Bill Barrett Corporation Surface Use Plan 5-32D-36 BTR Duchesne County, UT

- k. Site security guidelines identified in 43 CFR 3162.7-5 and Onshore Oil and Gas Order No. 3 would be adhered to. Any modifications to proposed facilities would be reflected in the site security diagram submitted.
- 1. The site would require periodic maintenance to ensure that drainages are kept open and free of debris, and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.

5. <u>Location and Type of Water Supply:</u>

a. Water for the drilling and completion would be trucked from any of the following locations:

Water Right No. and Application or Change No.	Applicant	Point of Diversion	Source
43-180	Duchesne City Water Service District	Knight Diversion Dam	Duchesne River
43-1202, Change a13837	Myton City	Knight Diversion Dam	Duchesne River
43-10444, Appln A57477	Duchesne County Upper Country Water	Ditch at Source	Cow Canyon Spring
43-10446, Appln F57432	Duchesne County Upper Country Water	Ditch at Source	Cow Canyon Spring
43-1273, Appln A17462	J.J.N.P. Company	Strawberry River	Strawberry River
43-1273, Appln t36590	J.J.N.P. Company	Strawberry River	Strawberry River

- b. No new water well is proposed with this application.
- c. Should additional water sources be pursued they would be properly permitted through the State of Utah Division of Water Rights.
- d. Water use would vary in accordance with the formations to be drilled but would be up to approximately 5.41 acre feet for drilling and completion operations.

6. Source of Construction Material:

- a. The use of materials would conform to 43 CFR 3610.2-3.
- b. No construction materials would be removed from the lease or EDA area.
- c. If any additional gravel is required, it would be obtained from a local supplier having a permitted source of materials within the general area.

Bill Barrett Corporation Surface Use Plan 5-32D-36 BTR Duchesne County, UT

Methods of Handling Waste Disposal:

- a. All wastes associated with this application would be contained and disposed of utilizing approved facilities.
- b. The reserve pit would be constructed so as not to leak, break or allow any discharge.
- c. The reserve would be lined with 12 mil (minimum) thickness polyethylene nylon reinforced liner material. The liner(s) would overlay straw, dirt and/or bentonite if rock is encountered during excavation. The liner would overlap the pit walls and be covered with dirt and/or rocks to hold them in place. No trash, scrap pipe, or other materials that could puncture the liner would be discarded in the pit. A minimum of two feet of free board would be maintained between the maximum fluid level and the top of the reserve pit at all times.
- d. To deter livestock from entering the pit, the three sides exterior to the location would be fenced before drilling starts. Following the conclusion of drilling and completion activities, the fourth side would also be fenced.
- e. Drill cuttings would be contained in the pit and buried on-site for a period not to exceed six months, weather permitting
- f. Produced fluids from the well other than water would be decanted into steel test tank(s) until such time as construction of production facilities is completed. Any oil that may be accumulated would be transferred to a permanent production tank. Produced water may be used in further drilling and completion activities, evaporated in the pit, or would be hauled to one of the state-approved disposal facilities below:

Disposal Facilities

- 1. RNI Industries, Inc. Pleasant Valley Disposal Pits, Sec. 25, 26, 35 & 36, T4S-R3W
- 2. Pro Water LLC Blue Bench 13-1 Disposal Well (43-013-30971) NENE, Sec. 13, T3S-R5W
- 3. RN Industries, Inc. Bluebell Disposal Ponds, Sec. 2, 4 & 9, T2S-R2W
- 4. Water Disposal, Inc. Harmston 1-32-A1 Disposal Well (43-013-30224), UTR #00707, Sec. 32, T1S-R1W
- 5. Unified Water Pits Sec. 31, T2S-R4W
- 6. Iowa Tank Line Pits 8500 BLM Fence Road, Pleasant Valley
- g. Any salts and/or chemicals, which are an integral part of the drilling system, would be disposed of in the same manner as the drilling fluid.
- h. Any spills of oil, condensate, produced or frac water, drilling fluids, or other potentially deleterious substances would be recovered and either returned to its origin or disposed of at an approved disposal site, most likely in Duchesne, Utah.

Bill Barrett Corporation Surface Use Plan 5-32D-36 BTR Duchesne County, UT

- i. Chemicals on the EPA's Consolidated List of Chemicals subject to reporting under Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) may be used or stored in quantities over reportable quantities. In the course of drilling, BBC could potentially store and use diesel fuel, sand (silica), hydrochloric acid, and CO₂ gas, all described as hazardous substances in 40 CFR Part 302, Section 302.4, in quantities exceeding 10,000 pounds. In addition, natural gas condensate and crude oil and methanol may be stored or used in reportable quantities. Small quantities of retail products (paint/spray paints, solvents {e.g., WD-40}, and lubrication oil) containing non-reportable volumes of hazardous substances may be stored and used on site at any time. No extremely hazardous substances, as defined in 40 CFR 355, would be used, produced, stored, transported or disposed of in association with the drilling, testing or completion of the wells.
- j. Portable toilets and trash containers would be located onsite during drilling and completion operations. A commercial supplier would install and maintain portable toilets and equipment and would be responsible for removing sanitary waste. Sanitary waste facilities (i.e. toilet holding tanks) would be regularly pumped and their contents disposed of at approved sewage disposal facilities in Duchesne, and/or Uintah Counties, in accordance with applicable rules and regulations regarding sewage treatment and disposal. Accumulated trash and nonflammable waste materials would be hauled to an approved landfill once a week or as often as necessary. All debris and waste materials not contained in the trash containers would be cleaned up, removed from the construction ROW, well pad, or worker housing location, and disposed of at an approved landfill. Trash would be cleaned up everyday.
- k. Sanitary waste equipment and trash bins would be removed from the Project Area upon completion of access road or pipeline construction; following drilling and completion operations at an individual well pad; when worker housing is no longer needed; or as required.
- I. A flare pit may be constructed a minimum of 110' from the wellhead(s) and may be used during completion work. In the event a flare pit proves to be unworkable, a temporary flare stack or open top tank would be installed. BBC would flow back as much fluid and gas as possible into pressurized vessels, separating the fluids from the gas. In some instances, due to the completion fluids utilized within the Project Area, it is not feasible to direct the flow stream from the wellbore through pressurized vessels. In such instances BBC proposes to direct the flow to the open top tanks until flow through the pressurized vessels is feasible. At which point the fluid would either be returned to the reserve pit or placed into a tank(s). The gas would be directed to the flare pit, flare stack (each with a constant source of ignition), or may be directed into the sales pipeline.
- m. Hydrocarbons would be removed from the reserve pit would as soon as practical. In the event immediate removal is not practical, the reserve pit would be flagged overhead or covered with wire or plastic mesh to protect migrating birds.

Bill Barrett Corporation Surface Use Plan 5-32D-36 BTR Duchesne County, UT

8. Ancillary Facilities:

- a. Garbage containers and portable toilets would be located on the well pad.
- b. On well pads where active drilling and completion is occurring, temporary housing would be provided on location for the well pad supervisor, geologist, tool pusher, and others that are required to be on location at all times. The well pad could include up to five single wide mobile homes or fifth wheel campers/trailers.
- c. A surface powerline corridor 480 feet in length is proposed for installation by third-party installer within a 150 foot wide powerline corridor adjacent to the proposed access road. See 12.d below for disturbance estimates.

9. Well Site Layout:

- a. The well would be properly identified in accordance with 43 CFR 3162.6.
- b. The pad layout, cross section diagrams and rig layout are enclosed (see Figures 1 and 2).
- c. The pad and road designs are consistent with industry specifications.
- d. The pad has been staked at its maximum size of 400 feet x 285 feet with an inboard reserve pit size of 100 feet x 200 feet x 8 feet deep. See section 12.d below for disturbance estimates.
- e. Within the approved well pad location, a crawler tractor would strip whatever topsoil is present and stockpile it along the edge of the well pad for use during reclamation. Vegetation would be distributed along the sides of the well pad.
- f. Fill from pit excavation would be stockpiled along the edge of the pit and the adjacent edge of the well pad.
- g. Use of erosion control measures, including proper grading to minimize slopes, diversion terraces and ditches, mulching, terracing, riprap, fiber matting, temporary sediment traps, and broad-based drainage dips or low water crossings would be employed by BBC as necessary and appropriate to minimize erosion and surface runoff during well pad construction and operation. Cut and fill slopes would be constructed such that stability would be maintained for the life of the activity.
- h. All cut and fill slopes would be such that stability can be maintained for the life of the activity.
- i. Diversion ditches would be constructed, if necessary, around the well site to prevent surface waters from entering the well site area.

Bill Barrett Corporation Surface Use Plan 5-32D-36 BTR Duchesne County, UT

- Water application may be implemented if necessary to minimize the amount of fugitive dust.
- k. All surface disturbing activities would be supervised by a qualified, responsible company representative who is aware of the terms and conditions of the APD and specifications in the approved plans.

10. Plan for Restoration of the Surface:

- a. A site specific reclamation plan will be submitted within 90 days of location construction.
- b. Site reclamation would be accomplished for portions of the well pad not required for the continued operation of the well on this pad within six months of completion, weather permitting.
- c. The operator would control noxious weeds along access road use authorizations and well site by spraying or mechanical removal, according to the Utah Noxious Weed Act and as set forth in the approved surface damage agreements.
- d. Rat and mouse holes would be filled and compacted from bottom to top immediately upon release of the drilling rig from location. Upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1. The reserve pit would be allowed to dry prior to the commencement of backfilling work. No attempts would be made to backfill the reserve pit until it is free of standing water. Once dry, the liner would be torn and perforated before backfilling.
- e. The reserve pit and that portion of the location not needed for production facilities/operations would be recontoured to the approximate natural contours. Areas not used for production purposes would be backfilled and blended into the surrounding terrain, reseeded and erosion control measures installed. Mulching, erosion control measures and fertilization may be required to achieve acceptable stabilization. Back slopes and fore slopes would be reduced as practical and scarified with the contour. The reserved topsoil would be evenly distributed over the slopes and scarified along the contour. Slopes would be seeded with the landowner specified seed mix.
- f. Topsoil salvaged from the drill site and stored for more than one year would be placed at the location indicated on the well site layout drawing and graded to a depth optimum to maintain topsoil viability, seeded with the landowner prescribed seed mixture and covered with mulch for protection from wind and water erosion and to discourage the invasion of weeds.

Bill Barrett Corporation Surface Use Plan 5-32D-36 BTR Duchesne County, UT

11. Surface and Mineral Ownership:

- a. Surface ownership
 - Pad area and pipeline and powerline corridors Ricky & Sandra Nelson
 - Access corridor
 - o Ricky & Sandra Nelson
 - o John Edward Burgess
- b. Mineral ownership Ute Indian Tribe 988 South 7500 East; Ft. Duchesne, Utah 84026; 435-725-4982.

12. Other Information:

- a. Montgomery Archeological Consultants has conducted a Class III archeological survey. A copy of the report has been submitted under separate cover to the appropriate agencies by Montgomery as MOAC 10-209 dated Nov 2, 2010.
- BBC would require that their personnel, contractors, and subcontractors to comply with Federal regulations intended to protect archeological and cultural resources.
- c. Project personnel and contractors would be educated on and subject to the following requirements:
 - No dogs or firearms within the Project Area.
 - No littering within the Project Area.
 - Smoking within the Project Area would only be allowed in off-operator active locations or in specifically designated smoking areas. All cigarette butts would be placed in appropriate containers and not thrown on the ground or out windows of vehicles; personnel and contractors would abide by all fire restriction orders.
 - Campfires or uncontained fires of any kind would be prohibited.
 - Portable generators used in the Project Area would have spark arrestors.

d. Disturbance estimates:

Approximate Acreage	Disturbances
---------------------	--------------

Well Pad		3.461	acres
Access	866 feet	0.597	acres
Pipeline	478 feet	0.329	acres
Powerline	480 feet	1.654	acres

Total 6.041 acres

Bill Barrett Corporation Surface Use Plan 5-32D-36 BTR Duchesne County, UT

OPERATOR CERTIFICATION

Certification:

I hereby certify that I, or someone under my direction supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein would be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application and that bond coverage is provided under Bill Barrett Corporations federal nationwide bond. These statements are subject to the provisions of 18 U.S.C. 1001 for the filings of false statements.

Venessa Langmacher 2011 Executed this

Name: Senior Permit Analyst Position Title:

1099 18th Street, Suite 2300, Denver, CO 80202 Address:

303-293-9100 Telephone:

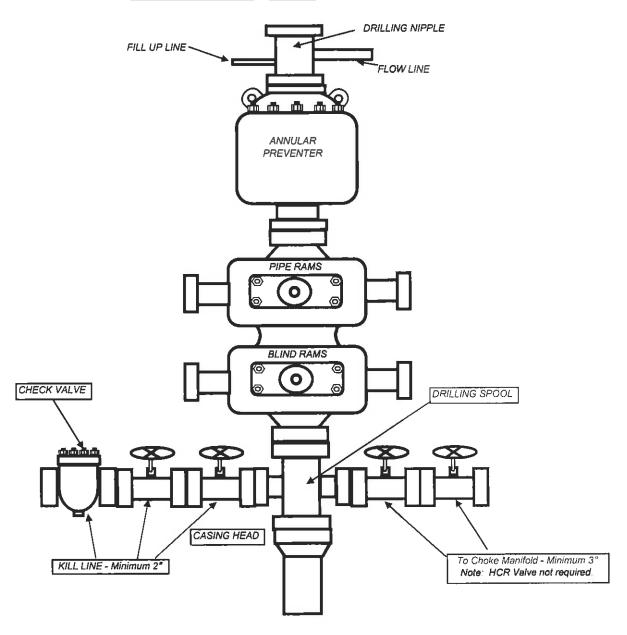
E-mail: vlangmacher@billbarrettcorp.com Field Representative Kary Eldredge / Bill Barrett Corporation 1820 W. Highway 40, Roosevelt, UT 84066 Address: 435-725-3515 (office); 435-724-6789 (mobile) Telephone:

E-mail: keldredge@billbarrettcorp.com

enessa Langmacher, Senior Permit Analyst

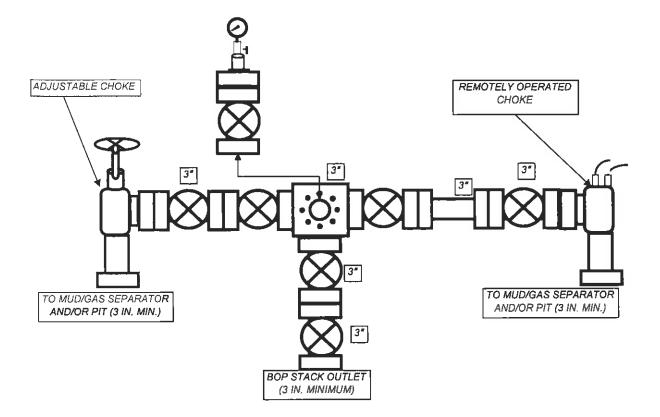
BILL BARRETT CORPORATION

TYPICAL 5,000 p.s.i. BLOWOUT PREVENTER



BILL BARRETT CORPORATION

TYPICAL 5,000 p.s.i. CHOKE MANIFOLD





May 11, 2011

Ms. Diana Mason – Petroleum Technician State of Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 P. O. Box 145801 Salt Lake City, Utah 84114-5801

Re: Directional Drilling R649-3-11

Blacktail Ridge Area #5-32D-36 BTR Well

Surface: 607' FWL & 1,800' FNL, SWNW, 32-T3S-R6W, USM

Bottom Hole: 810' FWL & 1,980' FNL, SWNW, 32-T3S-R6W, USM

Duchesne County, Utah

Dear Ms. Mason,

Pursuant to the filing of Bill Barrett Corporation's ("BBC") Application for Permit to Drill the above referenced well, we hereby submit this letter in accordance with Oil & Gas Conservation Rules R649-2, R649-3, R649-10 and R649-11, pertaining to the Location and Siting of Wells.

- The proposed location is within our Blacktail Ridge Area.
- BBC is permitting this well as a directional well in order to minimize surface disturbance. By locating the well at the surface location and directionally drilling from this location, BBC will be able to utilize the existing road and pipelines in the area.
- The well will be drilled under an Exploration and Development Agreement between the Ute Indian Tribe and Ute Distribution Corporation. Ute Energy, LLC owns a right to participate in this well.
- BBC certifies that it is the working interest owner of all lands within 460 feet of the proposed well location, and together with Ute Energy, LLC, we own 100% of the working interest in these lands.

Based on the information provided, BBC requests that the permit be granted pursuant to R649-3-11. Should you have any questions or need further information, please contact me at 303-312-8544.

)

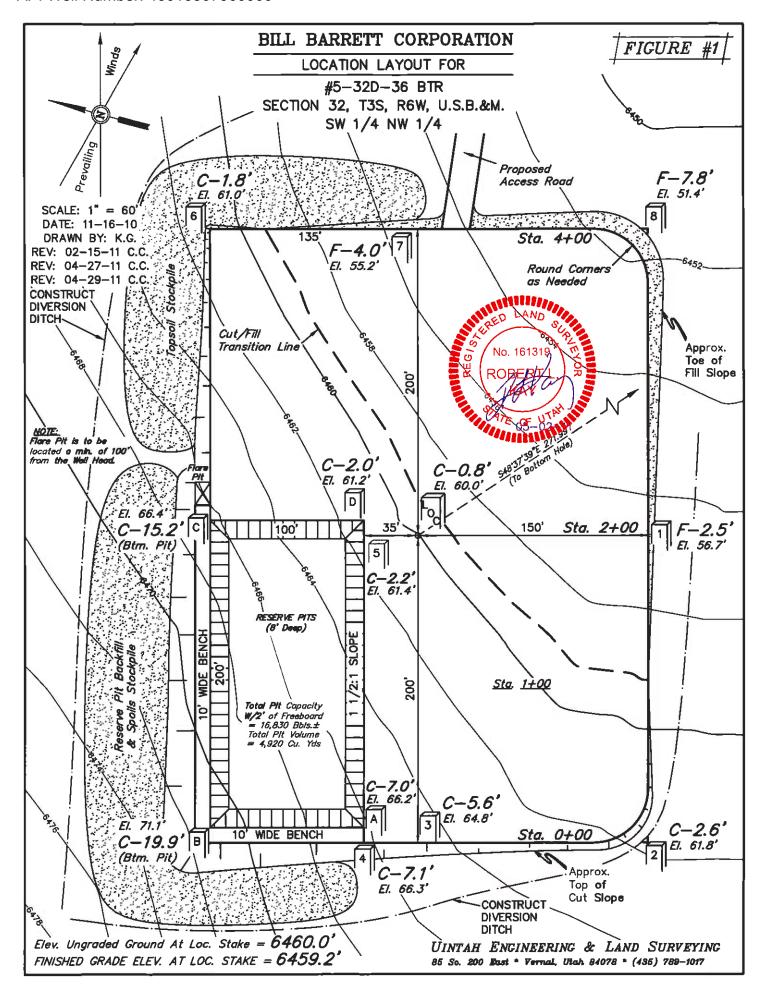
David Watts

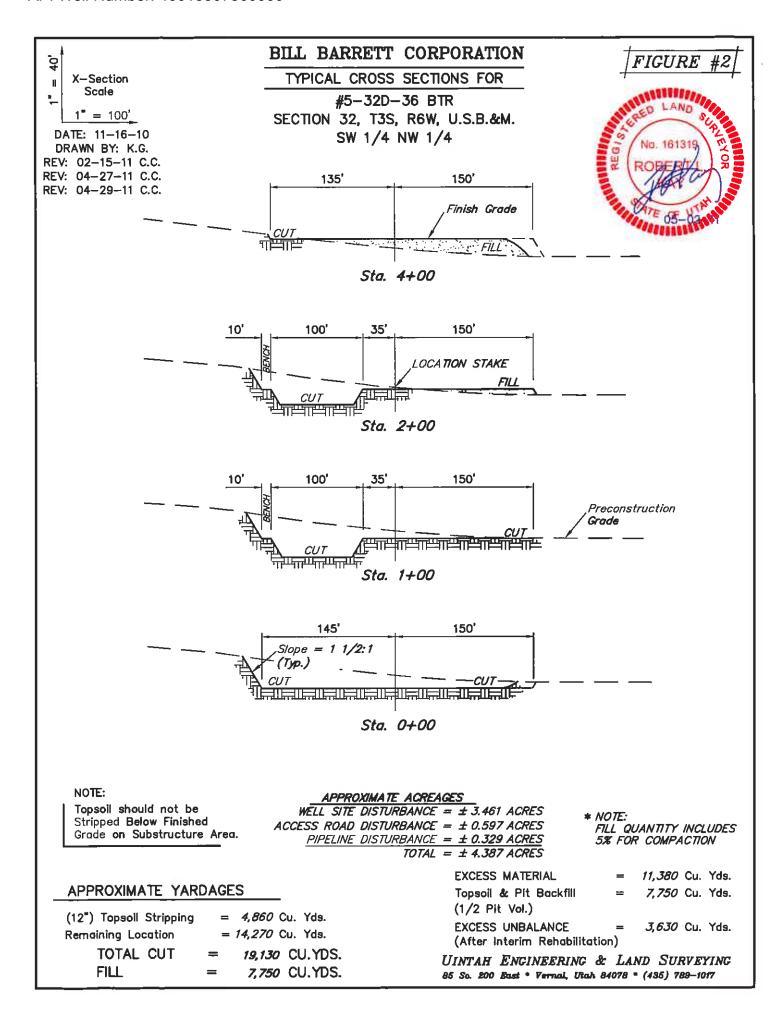
Landman

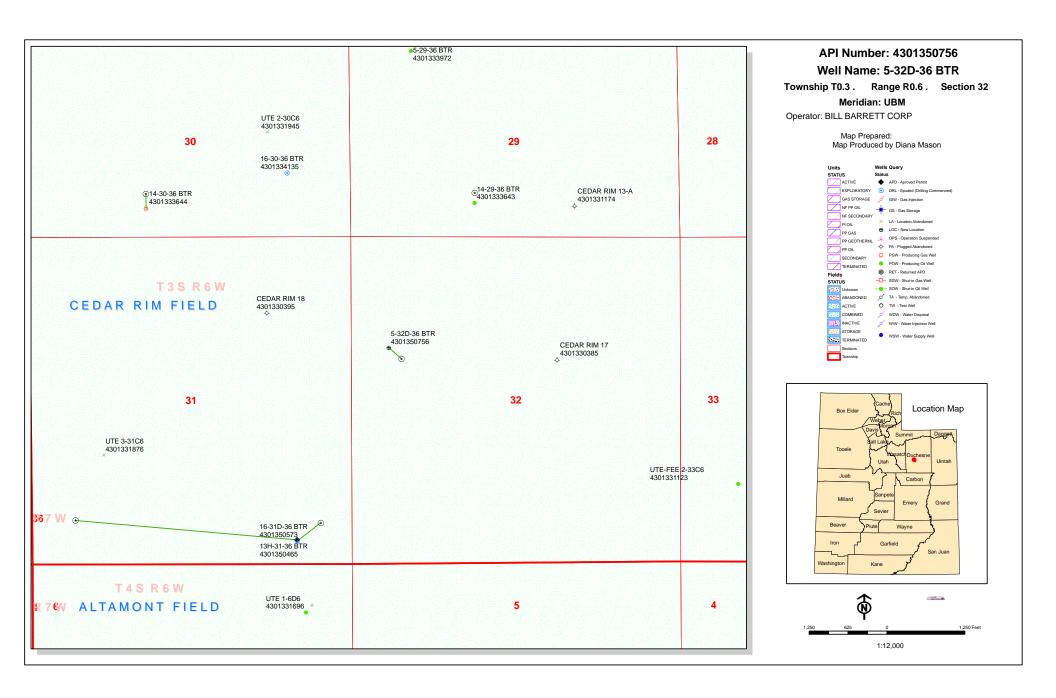
1099 18TH STREET

SUITE 2300

DENVER, CO 80202







ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator BILL BARRETT CORP

Well Name 5-32D-36 BTR

API Number 43013507560000 APD No 3781 Field/Unit CEDAR RIM

Location: 1/4,1/4 SWNW **Sec** 32 **Tw** 3.0S **Rng** 6.0W 1800 FNL 607 FWL

GPS Coord (UTM) 534609 4447471 Surface Owner Ricky and Sandra Nelson

Participants

James Hereford (BLM), Kary Eldredge (Bill Barrett), Don Hamilton (Star Point), Trevor Anderson (UELS), Joe Avia (EIS), Richard Powell (DOGM), Kelly Jo Jackson (Montgomery)

Regional/Local Setting & Topography

This location sits within a few hundred feet of Highway 40 approximately 10.4 miles west of Duchesne, UT. The area around location is relatively flat but with a gentle slope to the east. Elevation and topography vary little around this location but to the north about 1 mile lies Sink Draw and to the south about 1 mile the land drops steeply onto the Strawberry River. These both drain to Starvation Lake to the east.

Surface Use Plan

Current Surface Use

Wildlfe Habitat

New Road Miles Well Pad Src Const Material Surface Formation

0.16 Width 285 Length 400 Onsite UNTA

Ancillary Facilities N

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Deer, elk, coyote, rabbits and other small mammals, song birds, raptors Sage, grasses, saltbrush, shadscale, rabbit brush

Soil Type and Characteristics

Sandy clay soil

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diverson Required? Y

Minor drainages must be diverted around location

Berm Required? N

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RECEIVED: Jun. 28, 2011

Erosion Sedimentation Control Required? N

Paleo Survey Run? N Paleo Potental Observed? N Cultural Survey Run? Y Cultural Resources? Y

Reserve Pit

Site-Specific Factors	Site Ra	anking	
Distance to Groundwater (feet)	>200	0	
Distance to Surface Water (feet)	>1000	0	
Dist. Nearest Municipal Well (ft)	>5280	0	
Distance to Other Wells (feet)	>1320	0	
Native Soil Type	Mod permeability	10	
Fluid Type	Fresh Water	5	
Drill Cuttings	Normal Rock	0	
Annual Precipitation (inches)	10 to 20	5	
Affected Populations			
Presence Nearby Utility Conduits	Unknown	10	
	Final Score	30	1 Sensitivity Level

Characteristics / Requirements

The reserve pit will be place in cut in a stable location. The pit will be 100ft x 200ft x 8ft deep with a total capacity including freeboard of 16,830bbl. Kary Eldredge of BBC said they will use a 20 mil liner with a felt sub-liner.

Closed Loop Mud Required? N Liner Required? Y Liner Thickness 16 Pit Underlayment Required? Y

Other Observations / Comments

Richard Powell 6/15/2011 **Evaluator Date / Time**

6/28/2011 Page 2

RECEIVED: Jun. 28, 2011

Application for Permit to Drill Statement of Basis

6/28/2011 Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Stat	tus Well	Type	Surf Owner	CBM
3781	43013507560000	LOC	CKED OW		P	No
Operator	BILL BARRETT (CORP	Surf	ce Owner-APD	Ricky and San	dra Nelson
Well Name	5-32D-36 BTR		Unit			
Field	CEDAR RIM		Туре	of Work	DRILL	
Location	SWNW 32 3S	6W U 18	800 FNL 607 FV	VL GPS Coord (UT	M) 534606E	4447463N

Geologic Statement of Basis

The mineral rights for the proposed well are owned by the Ute Tribe. The BLM will be the agency responsible for evaluating and approving the drilling, casing and cement programs.

Brad Hill 6/28/2011 **APD Evaluator Date / Time**

Surface Statement of Basis

This onsite evaluation was scheduled and arranged by BLM representative James Hereford. According to Mr. Hereford, a letter was written to the surface owners Ricky and Sandra Nelson explaining the onsite and inviting them to attend but they did not respond. Richard Powell of DOGM also attempted to contact them but my phone call message was not answered or returned. James Hereford expressed concern about overhead power lines and Mr. Eldredge stated that the height of the lines had already been assessed by the drilling rig movers and the lines are high enough to get under. No other attendees stated any concerns with this site.

Richard Powell 6/15/2011
Onsite Evaluator Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 12 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

RECEIVED: Jun. 28, 2011

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 5/12/2011 API NO. ASSIGNED: 43013507560000

WELL NAME: 5-32D-36 BTR

PHONE NUMBER: 303 312-8134 **OPERATOR:** BILL BARRETT CORP (N2165)

CONTACT: Tracey Fallang

PROPOSED LOCATION: SWNW 32 030S 060W **Permit Tech Review:**

> **SURFACE: 1800 FNL 0607 FWL Engineering Review:**

> **BOTTOM:** 1980 FNL 0810 FWL Geology Review:

COUNTY: DUCHESNE

LATITUDE: 40.17873 LONGITUDE: -110.59353

UTM SURF EASTINGS: 534606.00 **NORTHINGS: 4447463.00**

FIELD NAME: CEDAR RIM **LEASE TYPE:** 2 - Indian

LEASE NUMBER: 20G0005608 PROPOSED PRODUCING FORMATION(S): GREEN RIVER-WASATCH

SURFACE OWNER: 4 - Fee **COALBED METHANE: NO**

RECEIVED AND/OR REVIEWED: LOCATION AND SITING: PLAT R649-2-3. Bond: INDIAN - LPM8874725 Unit: **Potash** R649-3-2. General Oil Shale 190-5 Oil Shale 190-3 R649-3-3. Exception Oil Shale 190-13 **Drilling Unit** Board Cause No: Cause 139-84 ✓ Water Permit: Duchesne City Culinary Water Dock **Effective Date:** 12/31/2008 **RDCC Review:** Siting: 660' Fr Drl U Bdry & 1320' Fr Other Wells

✓ Fee Surface Agreement

Intent to Commingle ■ R649-3-11. Directional Drill

Commingling Approved

Comments: Presite Completed

4 - Federal Approval - dmason 5 - Statement of Basis - bhill Stipulations:

15 - Directional - dmason

API Well No: 43013507560000



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: 5-32D-36 BTR
API Well Number: 43013507560000
Lease Number: 2OG0005608
Surface Owner: FEE (PRIVATE)

Approval Date: 6/28/2011

Issued to:

BILL BARRETT CORP, 1099 18th Street Ste 2300, Denver, CO 80202

Authority:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-84. The expected producing formation or pool is the GREEN RIVER-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

• Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)
OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at http://oilgas.ogm.utah.gov

API Well No: 43013507560000

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) due within 5 days of spudding the well
- Monthly Status Report (Form 9) due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) due prior to implementation
- Written Notice of Emergency Changes (Form 9) due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) due prior to implementation
- Report of Water Encountered (Form 7) due within 30 days after completion
- Well Completion Report (Form 8) due within 30 days after completion or plugging

Approved By:

For John Rogers Associate Director, Oil & Gas

RECEIVE

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED OMB No. 1004-0136 Expires July 31, 2010

BUREAU OF LAND	MANAGEMENT MAY 1 2 2011	 Lease Serial No. 20G0005608 	
· APPLICATION FOR PERMIT	TO DRILL OR REENTER	6. If Indian, Allottee or Tribe Nam	e
1a. Type of Work: ☑ DRILL ☐ REENTER		7. If Unit or CA Agreement, Name	and No.
1b. Type of Well: Oil Well Gas Well Ot 2. Name of Operator Contact: BILL BARRETT CORPORATION E-Mail: vlangma	her Single Zone Multiple Zone VENESSA LANGMACHER acher@billbarrettcorp.com	8. Lease Name and Well No. 5-32D-36 BTR 9. API Well No.	
3a. Address 1099 18TH STREET SUITE 2300 DENVER, CO 80202	3b. Phone No. (include area code) Ph: 303-293-9100 Fx: 303-291-0420	10. Field and Pool, or Exploratory CEDAR RIM	<u>(</u>
Location of Well (Report location clearly and in accord At surface SWNW 1800FNL 607FWL At proposed prod. zone SWNW 1980FNL 810FWL	40.178706 N Lat, 110.594286 W Lon	11. Sec., T., R., M., or Blk. and Su Sec 32 T3S R6W Mer UB	-
 Distance in miles and direction from nearest town or post MILES WEST OF DUCHESNE, UT 	office*	12. County or Parish DUCHESNE	13. State UT
 Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 810' 	16. No. of Acres in Lease 66101.00	17. Spacing Unit dedicated to this	well
 Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 2282' 	19. Proposed Depth 9537 MD 9520 TVD	20. BLM/BIA Bond No. on file LPM8874725	
21. Elevations (Show whether DF, KB, RT, GL, etc. 6460 GL.	22. Approximate date work will start 08/01/2011	23. Estimated duration 60 DAYS (D&C)	
	24. Attachments		
The following, completed in accordance with the requirements or	f Onshore Oil and Gas Order No. 1, shall be attached to	this form:	
 Well plat certified by a registered surveyor. A Drilling Plan. 	4. Bond to cover the operation	ns unless covered by an existing bond	on file (see

- 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Operator certification Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature (Electronic Submission)	Name (Printed/Typed) VENESSA LANGMACHER Ph: 303-293-9100	Date 05/12/2011
Title SENIOR PERMIT ANALYST		
Approved by (Signature)	Name (Printed/Typed) Jerry Kenczka	AUG 17 20
Title Assistant Field Manager	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional Operator Remarks (see next page)

Electronic Submission #108154 verified by the BLM Well Information System For BILL BARRETT CORPORATION, sent to the Vernal Committed to AFMSS for processing by ROBIN R. HANSEN on 05/16/2011 ()

DIV. OF OIL, GAS & MINING



NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

11990711AF



UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT VERNAL FIELD OFFICE

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Well No:

Bill Barrett Corporation

5-32D-36 BTR

API No: 43-013-50756

Location: Lease No: **SWNW, Sec. 32, T3S R6W**

2OG0005608

Agreement:

N/A

OFFICE NUMBER:

(435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.

NOTIFICATION REQUIREMENTS

Construction Activity (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)

Construction Completion (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)

Spud Notice (Notify BLM Petroleum Engineer)

Casing String & Cementing (Notify BLM Supv. Petroleum Tech.)

BOP & Related Equipment Tests (Notify BLM Supv. Petroleum Tech.)

First Production Notice (Notify BLM Petroleum Engineer)

- The Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist shall be notified at least 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
- Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion. Notify the BLM Environmental Scientist prior to moving on the drilling rig.
- Twenty-Four (24) hours prior to spudding the well.
- Twenty-Four (24) hours prior to running casing and cementing all casing strings to: ut vn opreport@blm.gov.
- Twenty-Four (24) hours prior to initiating pressure tests.
- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

Page 2 of 7 Well: 5-32D-36 BTR 8/16/2011

SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC COA's:

- Any deviation of submitted APD's, which includes BBCs surface use plan, and ROW
 applications the operator will notify the BLM in writing and will receive written authorization of
 any such change with appropriate authorization.
- The operator will implement "Safety and Emergency Plan." The operator's safety director will ensure its compliance.
- All operator employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's, COAs, and ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations should be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- Wood shall be saved per the surface owner's recommendations piled up around well pad and along access roads. Wood from the locations can also be used for reclamation purposes.
- All above ground production facilities will be painted Beetle Green on all locations to help blend in with the surrounding habitat.
- Roads should be crown and ditched to divert any runoff from pooling on the road surface itself, this also aids in lessening erosion on the road. Wing ditches can be installed to also aid in control runoff from affecting the proposed road.
- 6 inches of topsoil must be saved from the sites being disturbed for reclamation purposed only.
 Topsoil pile should be separated from the subsoil's and stored so topsoil is not affected by erosional forces. Piles higher than 8 feet are not recommended, because of the potential for greater erosion.
- The operator must conduct operations to minimize adverse effects to surface and subsurface resources, prevent unnecessary surface disturbance, and conform to currently available technology and practice.
- The operator must improve or maintain existing roads in a condition the same as or better than before operations began. The operator must provide any plans for improvement and/or maintenance of existing roads.
- Site reclamation would be accomplished for portions of the well pad not needed for production, within 6 months of completion, weather permitting. This also includes any roads, and pipeline areas that have been disturbed as well. Roads and pipeline disturbances can undergo reclamation immediately after the pipeline is installed and after the roads are built. Please contact surface owner or the BLM for possible seed mixes to use in the project area. Nonnatives can be used; however lbs/ac must be kept low to minimize the chance of a monoculture.

Page 3 of 7 Well: 5-32D-36 BTR 8/16/2011

DOWNHOLE PROGRAM CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

• Production casing cement shall be brought up and into the surface casing. The minimum cement top is 200 ft. above the surface casing shoe.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the
 daily drilling report. Components shall be operated and tested as required by Onshore Oil &
 Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be
 performed by a test pump with a chart recorder and NOT by the rig pumps. Test shall be
 reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- Cement baskets shall not be run on surface casing.
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water
 is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM
 Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person

Page 4 of 7 Well: 5-32D-36 BTR 8/16/2011

making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

Page 5 of 7 Well: 5-32D-36 BTR 8/16/2011

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - o Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - o Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and

Page 6 of 7 Well: 5-32D-36 BTR 8/16/2011

Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted
 to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs
 first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be
 adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively
 sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover
 equipment shall be removed from a well to be placed in a suspended status without prior
 approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30
 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given
 before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent

Page 7 of 7 Well: 5-32D-36 BTR 8/16/2011

Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

STATE OF UTAH			FORM 9		
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MIN		5.LEASE DESIGNATION AND SERIAL NUMBER: 20G0005608		
SUNDF	RY NOTICES AND REPORTS (ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE		
	oposals to drill new wells, significantly or reenter plugged wells, or to drill horizor n for such proposals.		7.UNIT or CA AGREEMENT NAME:		
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: 5-32D-36 BTR		
2. NAME OF OPERATOR: BILL BARRETT CORP			9. API NUMBER: 43013507560000		
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300	, Denver, CO, 80202 3	PHONE NUMBER: 03 312-8164 Ext	9. FIELD and POOL or WILDCAT: CEDAR RIM		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1800 FNL 0607 FWL			COUNTY: DUCHESNE		
QTR/QTR, SECTION, TOWNS	HIP, RANGE, MERIDIAN: 32 Township: 03.0S Range: 06.0W Meri	dian: U	STATE: UTAH		
11. CHEC	K APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPOR	RT, OR OTHER DATA		
TYPE OF SUBMISSION		TYPE OF ACTION			
	ACIDIZE	ALTER CASING	CASING REPAIR		
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME		
	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE		
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION		
	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK		
✓ SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION		
Date of Spud: 11/25/2011	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON		
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL		
DRILLING REPORT Report Date:	☐ WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION		
	WILDCAT WELL DETERMINATION	OTHER	OTHER:		
This well was spu	COMPLETED OPERATIONS. Clearly show a ud on 11/25/2011 at 10:00 at	m by Triple A Drilling.	lepths, volumes, etc.		
NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBI 303 312-8172	ER TITLE Senior Permit Analyst			
SIGNATURE	000 012-0172	DATE			
N/A		11/29/2011			

Sundry Number: 20949 API Well Number: 43013507560000

			FORM 0
	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MI		5.LEASE DESIGNATION AND SERIAL NUMBER: 20G0005608
	RY NOTICES AND REPORTS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
	sals to drill new wells, significantly deeper gged wells, or to drill horizontal laterals.		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: 5-32D-36 BTR
2. NAME OF OPERATOR: BILL BARRETT CORP			9. API NUMBER: 43013507560000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , D		DNE NUMBER: 12-8164 Ext	9. FIELD and POOL or WILDCAT: CEDAR RIM
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1800 FNL 0607 FWL			COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SWNW Section: 32	P, RANGE, MERIDIAN: 2 Township: 03.0S Range: 06.0W Meridian	n: U	STATE: UTAH
11. CHEC	CK APPROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPORT	, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	☐ ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
Approximate date work will start.	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	OPERATOR CHANGE	☐ PLUG AND ABANDON	PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	WATER DISPOSAL
✓ DRILLING REPORT	WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
Report Date: 11/30/2011			
		OTHER	OTHER:
12. DESCRIBE PROPOSED OR CO	MPLETED OPERATIONS. Clearly show all pe Well was spud in November		volumes, etc.
			Accepted by the
			Utah Division of
			il, Gas and Mining
		FO	R RECORD ONLY
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst	
SIGNATURE N/A		DATE 12/5/2011	

Print Form

BLM - Vernal Field Office - Notification Form

Operato	or Bill Barrett Corporation	Rig Nam	e/# <u>Triple</u>	A Drilling	
Submitt	ed By <u>Venessa Langmach</u>	Phone Nur	mber <u>303-</u>	312-8172	
Well Na	me/Number <u>5-32D-36 B</u>	R			
Qtr/Qtr	SWNW Section 32	_Township <u>3</u>	<u>s R</u>	ange <u>6W</u>	-
Lease S	erial Number <u>20000056</u> 0	08			
API Nur	nber <u>4301350756</u>			····.	,
	otice – Spud is the initianum ow a casing string.	l spudding o	of the we	ll, not drilling	
Da	te/Time <u>11/25/2011</u>	8:00	AM 🗸	РМ	
times. Su Int Pro	 Please report time cash Inface Casing Itermediate Casing Itemporary Casing Itemporar	sing run star	ts, not ce	ementing	
Da	nte/Time		AM 🗌	РМ	
☐ BC 30	itial BOPE test at surfact OPE test at intermediate day BOPE test her			RECEIN NOV 2 2 DIV. OF OIL, GAS	2011
Da	ate/Time		AM 🗌	РМ	
Remark	SS				

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM

Operator:

Bill Barrett Corporation

Operator Account Number: N 2165

Address:

1099 18th Street, Suite 2300

city Denver

state CO zip 80202

Phone Number: (303) 312-8172

Well 1

API Number	Well I	Name	QQ	Sec	Twp	Rng	County
4301350756	5-32D-36 BTR		SWNW	32	38	6W	Duchesne
Action Code	Current Entity Number	New Entity Number	Sı	pud Da	te		ity Assignment ffective Date
Α	99999	18328	11	1/25/20	11	11	1/30/11

GR-WS

BHC= SWNW

Well 2

New Entity Number	SENW S	32 pud Da	3S te	6W Enti	Duchesne ity Assignment
	s	pud Da	te	Enti	ity Accianment
Current Entity New Entity Number Number		Spud Date			ffective Date
18329	1	1/27/20	11	11	130/11
	18339 conducted by Triple A Dr	10001	10001	/8339 11/27/2011 conducted by Triple A Drilling @ 11:00 am.	10001

Well 3

API Number	Well	Name	QQ	Sec	Twp	Rng	County
4301350613	14-7D-36 BTR		swsw	7	3\$	6W	Duchesne
Action Code	Current Entity New Entity Number Number		Spud Date			ity Assignment ffective Date	
Α	99999	18330	1	1/28/20	11	1	1/30/11
Spuc	Iding Operation was co	nducted by Triple A D	Orilling @ 1:0		· · · · · · · · · · · · · · · · · · ·		

ACTION CODES:

- A Establish new entity for new well (single well only)
- B Add new well to existing entity (group or unit well)
- C Re-assign well from one existing entity to another existing entity
- D Re-assign well from one existing entity to a new entity
- E Other (Explain in 'comments' section)

RECEIVED

Venessa Langmacher

Name (Please Print)

Venessa Langmacher

Signature

Title

Sr Permit Analyst

11/29/2011

Date

NOV 3 0 2011

BLM - Vernal Field Office - Notification Form

Submitte Well Nan Qtr/Qtr <u>S</u> Lease Se	Bill Barrett Corp. Rid By Terry Johnson Phone Number 5-32D-36 BTF SW/NW Section 32 Towns arial Number 20G0005608 ber 43013507560000	ne Number <u>435-</u> Ship <u>3S</u> Range	<u>828-6095</u>
-	tice – Spud is the initial swa a casing string.	pudding of the we	ell, not drilling
Date	e/Time	AM	РМ
times. Surf		g run starts, not o	RECEIVED DEC 2 2 2011 DIV. OF OIL, GAS & MINING
Date	e/Time <u>12/25/11</u>	3:00 AM ⊠ PM	1 🔲
BOF 30 0	ial BOPE test at surface cope test at intermediate canday BOPE test er e/Time 12/25/11		PM 🔀
Date	C/ 11111C <u>12/29/11</u>	22100 / 11	· · · K N

Remarks <u>Dates and Times are Estimated based on Offset</u> <u>Information and Current Conditions</u>

BLM - Vernal Field Office - Notification Form

Operator <u>Bill Barrett Corp.</u> Submitted By <u>Rich Dembowski</u> Well Name/Number <u>5-32D-36 B</u> Qtr/Qtr <u>SW/NW</u> Section <u>32</u> Tow Lease Serial Number <u>1420H626</u> API Number 43-013-50756	<u>TR</u> Inship <u>3S</u> Range 6W
<u>Spud Notice</u> – Spud is the initia out below a casing string.	I spudding of the well, not drilling
Date/Time	AM
<u>Casing</u> – Please report time cas times.	ing run starts, not cementing
Surface Casing	RECEIVED
☐ Intermediate Casing☐ Production Casing	JAN 0 3 2012
Liner Other	DIV. OF OIL, GAS & MINING
Date/Time	<u>5:00</u> AM ☐ PM ⊠
BOPE	
Initial BOPE test at surfaceBOPE test at intermediate30 day BOPE testOther	
Date/Time	AM PM
Remarks Estimated date and ti	me based on current conditions.

	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MI		5.LEASE DESIGNATION AND SERIAL NUMBER: 20G0005608
SUNDF	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
	sals to drill new wells, significantly deepe igged wells, or to drill horizontal laterals.		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: 5-32D-36 BTR
2. NAME OF OPERATOR: BILL BARRETT CORP			9. API NUMBER: 43013507560000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , D		ONE NUMBER: 312-8164 Ext	9. FIELD and POOL or WILDCAT: CEDAR RIM
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1800 FNL 0607 FWL			COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SWNW Section: 32	P, RANGE, MERIDIAN: 2 Township: 03.0S Range: 06.0W Meridia	n: U	STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDICA	ATE NATURE OF NOTICE, REPORT	, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
Approximate date work will start:	CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	☐ TUBING REPAIR	□ VENT OR FLARE	☐ WATER DISPOSAL
✓ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
12/31/2011	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:
l .	MPLETED OPERATIONS. Clearly show all pe December 2011 monthly dril	ling report for this well.	
			Accepted by the Utah Division of
			il, Gas and Mining
			,
		FUI	R RECORD ONLY
 		\	
NAME (PLEASE PRINT) Brady Riley	303 312-8115	R TITLE Permit Analyst	
SIGNATURE N/A		DATE 1/5/2012	



3-013-50 ime Log	J I UU									Ollarilling & Completion		
	1		UT		Duchesne	Black Tai	i Riage	COMPLETION	8,701.	0 Drilling & Completion		
tart Time	Dur (hr)	End Time	Code		Category				Com			
6:00	13.50	19:30	1	RIGUP	& TEARDOWN		MI man c	camps, pipe tubs and pi	eces of backyard. RD rig.			
9:30	10.50	06:00	1	RIGUP	& TEARDOWN		Wait on I	Daylight				
5-32D-	-36 BTF	R 12	/20/20	11 06:	00 - 12/21/	/2011 06	6:00					
.PI/UWI 3-013-50	756		State/ProvineUT	ce	County Duchesne	Field Name Black Tai	l Ridae	Well Status COMPLETION	Total Depth (ftKB) 8.701	Primary Job Type 0 Drilling & Completion		
ime Log		J	<u>. </u>		2 401100110	Diddit 1 di	ago	20 22	5,1011	o z minig a completion		
Start Time	Dur (hr)	End Time	_		Category				Com			
6:00		07:00	1		& TEARDOWN			, 0	Vehicle Inspection and Warm	•		
7:00		17:00	1		& TEARDOWN		Move Rig Equipment from 6-32-36 BTR SWD to 5-32D-36 BTR Shut Down for Night - Move Status: Rigged Down 100%, Moved 90%, Set In 70%,					
7:00	13.00	06:00	1	RIGUP	& TEARDOWN				tus: Rigged Down 100%, Mo t Derrick, Back Yard, and Po			
5-32D	-36 BTF	12		11 06:	00 - 12/22/			.,				
.PI/UWI			State/Provin		County	Field Name	7.00	Well Status	Total Depth (ftKB)	Primary Job Type		
3-013-50			UT		Duchesne	Black Tai	l Ridge	COMPLETION	8,701.	0 Drilling & Completion		
tart Time	Dur (hr)	End Time	e Code		Catagon				Com			
6:00		06:30	1	RIGUP	Category & TEARDOWN	,	Wait on [Davlight	COITI			
6:30		07:30	1		& TEARDOWN	;	Start all \	Vehicles - Inspect Vehic	cles - Hold PJSM - Discuss A	genda for Setting Derrick		
7:30	3 50	11:00	1	PIGLID	& TEARDOWN			rd Configuration - Job S	tops nd Setting In - Release Rig M	oving Trucks at 11:00 brs		
7.50	3.30	111.00	'		a TEARBOWN		IIIISII IVI	oving rag Equipment at	id Octaing in - Nelease Mg W	oving Trucks at 11.00 ms		
1:00	7.00	18:00	1	RIGUP	& TEARDOWN				r - Mud Pumps - Mud Lines nk. Break Tours at 18:00 hrs	- Pits -Backyard - Fill		
8:00	3.00	21:00	1	RIGUP	& TEARDOWN		safety ins		ser - Spot directional trailer a requirement. Fire generators rel Pits			
21:00	9.00	06:00	1	RIGUP	& TEARDOWN		Boiler - Install Sta		Rods - Install Riser and Flow aw Lines - RU Kelly and Spir , Snub and Pull Lines.	·		
5-32D-	-36 BTF	R 12	/22/20	11 06:	00 - 12/23/	/2011 06	6:00					
PI/UWI	2750		State/Provin	се	County	Field Name	l Distance	Well Status	Total Depth (ftKB)	Primary Job Type		
3-013-50 ime Log			UT		Duchesne	Black Tai	i Riage	COMPLETION	8,701.	0 Drilling & Completion		
Start Time	Dur (hr)	End Time	e Code		Category				Com			
6:00	6.00		2	DRILL A	ACTUAL			- Tally - Directional BHA '6' GL - 92' RKB	A - Test Mtr - Orient Toolface	- Continu to PU BHA - Ta		
2:00	18.00	06:00	2	DRILL A	ACTUAL		Drill and		g as Required to follow well p	lan. Circ at reduced rate		
5-32D-	-36 BTF	R 12/	 23/20	11 06:	00 - 12/24/			TIA and Reamers are o	utside of Conductor.			
PI/UWI 3-013-50		I	State/Proving		County Duchesne	Field Name Black Tai		Well Status COMPLETION	Total Depth (ftKB)	Primary Job Type 0 Drilling & Completion		
ime Log			<u> </u>		- Lacricone	I DIGON TAI	. rauge	JOHN LETION	0,701.	STERMING & COMPLETION		
Start Time	Dur (hr)	End Time	Code		Category				Com			
6:00	24.00	06:00	2	DRILL A	ACTUAL		Drill Ahea	ad / Sliding as Required	I to Maintain Azimuth and An	gle as per program		
5-32D	-36 BTF	R 12	24/20	11 06:	00 - 12/25/	/2011 06	6:00					
.PI/UWI	756		State/Provin	ce	County	Field Name	I Didaa	Well Status	Total Depth (ftKB)	Primary Job Type		
3-013-50			UT		Duchesne	Black Tai	ı Kıage	COMPLETION	8,701.	0 Drilling & Completion		
Start Time	Dur (hr)	End Time	Code		Category				Com			
6:00		08:30	2	DRILL A	ACTUAL		Drill Ahea	ad / Sliding as Required				
08:30		09:00	5	1	MUD & CIRC			Up - Sweep Hole - for \	<u> </u>			
9:00		09:30	6	TRIPS		l II		Wiper Trip - No Overpul				
9:30		10:30	5		MUD & CIRC	l II		Volume - Build Dry Pip				
		15:30	6	TRIPS					ck Kelly - POOH - Lay Down	8" DC - Reamers - MWD		

Time Lo	g								
Start Time	Dur (hr)	End Time	Code	Category				Com	
15:30	5.50	21:00	12	RUN CASING & CEMEN	NT		ng Equipment - PJSM - R Flt Clr at 2461'.	un 57 jts, 9 5/8"	, 36 ppf, J-55, ST&C Casing - Shoe
21:00	3.00	00:00	5	COND MUD & CIRC		Circulate	and Condition for Cement	t - RD Csg Equip	oment - RU Cementers
00:00	0.50	00:30	12	RUN CASING & CEMEN	NT		stall Wiper Plug in Cmt H	•	Head to Csg - Hook up Cement Lines
00:30	2.00	02:30	12	RUN CASING & CEMEN	NT			bbl FW - 40 bbl	Superflush - 20 bbls FW.
						1	t: 405 sxs Cmt Blend+0.2 al/sx FW makes 228 bbls		s Seal + 0.125% BWOC Pol-E-Flake rry - Yld 3.16 Ft3/sx.
							sxs Holcim Type II/V + 0.1.8 ppg slurry - Yld 1.33 ft3		Flake + 6.42 gal/sx FW makes 59
						Pressure	with 190 bbls of 8.4 ppg N to 1200 held - Bled off - F - +/- 102 bbls of Cmt to S	loats Held	lug w/500 psi Lift - Increased Head.
02:30	1.00	03:30	13	WAIT ON CEMENT		Wait on C	ement - After 1 hr - Cmt f	fell 60'	
03:30		05:00	21	OPEN					ill annulus Monitor for 30 min - 1' of
03.30			21			fall back -	RD Halliburton Cmt Lines	S.	
05:00	1.00	06:00	13	WAIT ON CEMENT			ement - Continue to Mon Weld on Wellhead	itor Conductor X	Csg Annulus - Prepare for Cut off
)-36 BTF	12/	25/20	11 06:00 - 12/26	/2011 0	6:00			
API/UWI	-0750		state/Provinc	I '	Field Nam		Well Status	Total Depth (ftk	
43-013-5		ľ	JT	Duchesne	Black 1	ail Ridge	COMPLETION		8,701.0 Drilling & Completion
Time Lo Start Time	g Dur (hr)	End Time	Code	Category				Com	
06:00		08:00	13	WAIT ON CEMENT		Wait on C	ement - Prepare to Cut C		
		09:00	14	NIPPLE UP B.O.P			•		lift same Romaya Callar Cayor
08:00	1.00	09:00	14	NIPPLE UP B.O.P			Dry Cellar.	and Prepare to i	lift same - Remove Cellar Cover -
09:00	4.00	13:00	14	NIPPLE UP B.O.P		Cut Off 9. Same	625" Casing - Pre-Heat a	nd Weld on Carr	neron 11' X 5K Wellhead and Test
13:00	5.00	18:00	14	NIPPLE UP B.O.P		Nipple Up BOPE - Choke and Choke Line - Kill Line - Rotating Head - Install Flow Line - Flare Box - Igniter - Blooey Line.			
18:00	5.50	23:30	15	TEST B.O.P		PJSM - Test BOPE as follows: Pipe and Blind Rams, Floor Valves, Kelly Valves, Choke and Choke and Kill Lines - HCR and Side Outlet Valves to 5000 psi/10 min - 250 psi/5min - Test Annular Preventer to 1500 psi/10 min - 250 psi/5 min. Test 9 5/8" Casing to 1500 psi/30 min. B&C Quick Test provided Tester			
23:30	4.00	03:30	6	TRIPS		PU/MU and Orient Directional Tools - Attempt to test Motor and MWD - Valves Frozen on Mud Pump.			
03:30	1.00	04:30	21	OPEN		Thaw line	s on Mud Pump and Flow	/ Line.	
04:30	1.50	06:00	6	TRIPS		Test Mud	Motor and MWD - Contin	ue to RIH w/Bit a	and BHA
E 20E	AC DTE	10/	00/00	14 0C-00 40/07	10044.0	C-00			
	7-30 BIF			11 06:00 - 12/27					
43-013-5			State/Province JT	County Duchesne	Field Name Black Ta	e ail Ridge	Well Status COMPLETION	Total Depth (ftk	(B) Primary Job Type 8,701.0 Drilling & Completion
Time Lo		End Time	Cada	0-1				0	
Start Time 06:00	Dur (hr)	07:30	Code 6	TRIPS		Continue	to RIH - Tag Cmt at 2452	Com ' - Wash Cmt to	Flt Clr at 2461'
07:30		08:30	2	DRILL ACTUAL			<u> </u>		athole, Drill 20' of New Formation to
08:30	1.00	09:30	5	COND MUD & CIRC		Circulate Annular P		n using 8.45 ppg	p to bring Bit Into Casing - Close Mud at 270 psi to an EMW of 10.5
09:30	20.50	06:00	2	DRILL ACTUAL			d / Sliding as Required to Tested BOPE.	follow Well Plar	n - Both Crews held BOP Drills and
5-32E)-36 BTF	R 12/	27/20		3/2011 0				
API/UWI		S	State/Province	ce County	Field Nam	e	Well Status	Total Depth (ftk	
43-013-5 Time Lo		10	JT	Duchesne	DIACK 1	ail Ridge	COMPLETION		8,701.0 Drilling & Completion
Start Time	Dur (hr)	End Time	Code	Category				Com	
06:00		06:00	2	DRILL ACTUAL		Drill Ahea	d / Sliding as required to		
		1	<u> </u>	1		1			



5-32D-36 BTR 1	2/28/2011 06 :	00 - 12/29/2	2011 06:00			
API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50756	UT	Duchesne	Black Tail Ridge	COMPLETION	8,701.0	Drilling & Completion
T' 1						

Time Log

Start Time Dur (hr) End Time Code Category Com

06:00 24.00 06:00 2 DRILL ACTUAL Drill Ahead / Sliding as Required to follow Well Plan - BOP Drills held by both Crews - Function Tested BOPE

5-32D-36 BTR 12/29/2011 06:00 - 12/30/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50756	UT	Duchesne	Black Tail Ridge	COMPLETION	8,701.0	Drilling & Completion

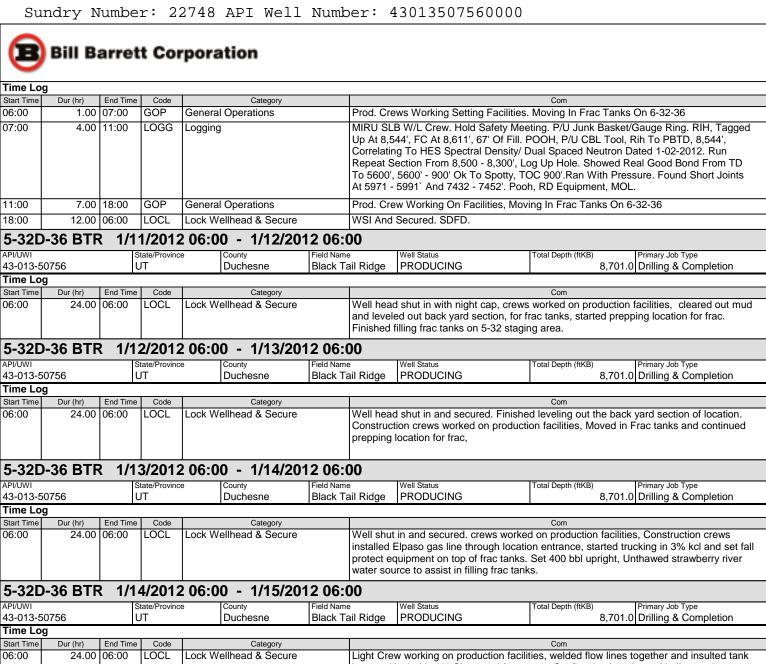
43-013-3	0730	L	<i>)</i>	Ducheshe Black i	all Ridge COMPLETION 6,701.0 Drilling & Completion
Time Lo	g				
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.50	17:30	2	DRILL ACTUAL	Drill/slide from 6013' to 6631'. Conduct BOP drill and F/T pipe rams at 6567'.
17:30	0.50	18:00	7	LUBRICATE RIG	Rig service.
18:00	3.00	21:00	2	DRILL ACTUAL	Drill/slide from 6631' to 6730'. Bit stopped drilling.
21:00	1.00	22:00	5	COND MUD & CIRC	Circ BU. Condition mud for bit trip. Slug pipe. Conducted BOP drill. F/T pipe rams.
22:00	8.00	06:00	6	TRIPS	TOOH to change bit. F/T blind rams. Bit badly worn. LD bit. PU new bit x TIH. Circ out at surface shoe.

	STATE OF UTAH			FORM 9
	DEPARTMENT OF NATURAL RESOUF DIVISION OF OIL, GAS, AND M		3	5.LEASE DESIGNATION AND SERIAL NUMBER: 20G0005608
SUNDR	RY NOTICES AND REPORTS	ON	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
	posals to drill new wells, significantl reenter plugged wells, or to drill horiz n for such proposals.			7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well				8. WELL NAME and NUMBER: 5-32D-36 BTR
2. NAME OF OPERATOR: BILL BARRETT CORP				9. API NUMBER: 43013507560000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300	, Denver, CO, 80202		NE NUMBER: 312-8164 Ext	9. FIELD and POOL or WILDCAT: CEDAR RIM
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1800 FNL 0607 FWL				COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 32 Township: 03.0S Range: 06.0W M	eridian	: U	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICA	ATE N	ATURE OF NOTICE, REPOR	T, OR OTHER DATA
TYPE OF SUBMISSION			TYPE OF ACTION	
	ACIDIZE		ALTER CASING	CASING REPAIR
NOTICE OF INTENT	CHANGE TO PREVIOUS PLANS		CHANGE TUBING	CHANGE WELL NAME
Approximate date work will start:	CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	П.	RACTURE TREAT	NEW CONSTRUCTION
1/28/2012	OPERATOR CHANGE		PLUG AND ABANDON	PLUG BACK
SPUD REPORT Date of Spud:	PRODUCTION START OR RESUME		RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
	REPERFORATE CURRENT FORMATION	□ :	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
DRILLING REPORT	TUBING REPAIR	∐ \ _	/ENT OR FLARE	WATER DISPOSAL
Report Date:	WATER SHUTOFF	□ :	SI TA STATUS EXTENSION	APD EXTENSION
	WILDCAT WELL DETERMINATION		OTHER	OTHER:
	completed operations. Clearly shown gas sales on 1/26/12 and			Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY January 31, 2012
NAME (PLEASE PRINT)	PHONE NUM	IBER	TITLE	
Venessa Langmacher	303 312-8172		Senior Permit Analyst	
SIGNATURE N/A			DATE 1/30/2012	

	CTATE OF UTAIL		FORM 9
	STATE OF UTAH DEPARTMENT OF NATURAL RESOURC	ES	
I	DIVISION OF OIL, GAS, AND MIN	ING	5.LEASE DESIGNATION AND SERIAL NUMBER: 20G0005608
SUNDR	RY NOTICES AND REPORTS (ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
Do not use this form for procurrent bottom-hole depth, FOR PERMIT TO DRILL form	oposals to drill new wells, significantly or reenter plugged wells, or to drill horizon n for such proposals.	deepen existing wells below tal laterals. Use APPLICATION	7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: 5-32D-36 BTR
2. NAME OF OPERATOR: BILL BARRETT CORP			9. API NUMBER: 43013507560000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300	, Denver, CO, 80202 3	PHONE NUMBER: 03 312-8164 Ext	9. FIELD and POOL or WILDCAT: CEDAR RIM
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1800 FNL 0607 FWL			COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: SWNW Section:	HP, RANGE, MERIDIAN: 32 Township: 03.0S Range: 06.0W Meri	dian: U	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
Approximate date work will start:	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	New construction
	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
		RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:	PRODUCTION START OR RESUME		
	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
✓ DRILLING REPORT	L TUBING REPAIR		☐ WATER DISPOSAL
Report Date: 1/31/2012	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
170172012	WILDCAT WELL DETERMINATION	OTHER	OTHER:
January	COMPLETED OPERATIONS. Clearly show a 2012 Monthly Drilling Repo	rt attached.	depths, volumes, etc. Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY February 06, 2012
NAME (PLEASE PRINT) Brady Riley	PHONE NUMB 303 312-8115	ER TITLE Permit Analyst	
SIGNATURE N/A		DATE 2/6/2012	



3-013-50	756		tate/Provinc JT	County Duchesne	Field Name Black Ta		Well Status PRODUCING	Total Depth (ftKB)	Primary Job Ty 8,701.0 Drilling & C		
me Log				Busineerie	Diaok 10	raago	T NODOGINO		5,7 0 1.5 Diming & C	rempletion	
art Time	Dur (hr)	End Time	Code	Category				Com			
6:00	10.00	16:00	2	DRILL ACTUAL			from 8091' to 8376'. C	onduct BOP drill and I	-/I pipe rams.		
6:00	13.00	16:30 05:30	2	DRILL ACTUAL		-	ce. SPR taken. from 8376' to 8701'. T	ake SPR at 8563'. Co	nduct BOP drill x F/T	pipe rams.	
5:30		06:00	5	COND MUD & CIRC	00-00	Circ mud	to condition for STRIP	and log well.			
9/UWI	-36 B I F		tate/Provinc	06:00 - 1/3/2012 e County	Field Name	<u> </u>	Well Status	Total Depth (ftKB)	Primary Job Ty	me	
3-013-50	756		JT	Duchesne	Black Ta		PRODUCING	Total Dopar (late)	8,701.0 Drilling & C		
ime Log							•				
tart Time 6:00	Dur (hr) 0.50	End Time 06:30	Code 5	Category COND MUD & CIRC		C x C mu	ıd	Com			
5:30		07:30	6	TRIPS			and make 10 stand S	TRIP TIH to hottom			
7:30		08:30	5	COND MUD & CIRC	- 311						
8:30		15:00	6	TRIPS			and SLM out of hole to		nal tools. Safety med	eting with	
5:00	0.50	15:30	7	LUBRICATE RIG		Rig Servi	ce. F/T blind rams.				
5:30		20:00	11	WIRELINE LOGS		Logger T	rs. Run Quad Combo - D: 8709'. RD loggers.	-	-		
0:00		01:30	6	TRIPS		units.TIH					
1:30		04:00	5	COND MUD & CIRC		machine.	x C mud to run casing. Max gs 8103 units. Safety meeting w/LD crew. RU LD achine. OOH, LDDP.				
4:00			6	TRIPS		POOH, L	DDP.				
	·36 BTF	R 1/3/	2012	06:00 - 1/4/2012							
91/UWI 3-013-50	756		tate/Provinc JT	County Duchesne	Field Name Black Ta		Well Status PRODUCING	Total Depth (ftKB)	Primary Job Ty 8,701.0 Drilling & C		
ime Log	5 (1)	l = . =									
art Time 6:00	Dur (hr)	End Time 12:00	Code 6	TRIPS		POOH. L	DDP.	Com			
2:00		21:00	12	RUN CASING & CEMEN	Т		eeting with casing crewarker joints of same cas			, P110, LTC	
	1.50	22:30	5	COND MUD & CIRC					crew x LD machine. RU Halliburton. Conduct nting head.		
21:00	1.00	1				safety meeting with Halliburton. MU cementing head. Cement production casing. Test lines to 5000 psig. Test good. Pump 10 bbl FW spacer, 40 bbl Super Flush, 10 bbl FW spacer. 735 sxs tuned light system at 11.0 ppg, 555 sxs econocem system at 13.5 ppg. drop plug. Displace cement with 199 bbls KCL water with biocide. Bump plug with 1750 psig. Pressure to 3250 psig. Bleed back 2.5 bbls. Floats holding ok. Had full returns during job, with 10 bbls cement back to surface.RD					
		02:00	12	RUN CASING & CEMEN	T	Cement p 40 bbl Su econocer with bioci	production casing. Test uper Flush, 10 bbl FW s n system at 13.5 ppg. o de. Bump plug with 17 lding ok. Had full return	lines to 5000 psig. Te spacer. 735 sxs tuned drop plug. Displace ce 50 psig. Pressure to 3	light system at 11.0 ment with 199 bbls I 250 psig. Bleed back	ppg, 555 sxs KCL water k 2.5 bbls.	
2:30	3.50	02:00	12	RUN CASING & CEMEN WAIT ON CEMENT	Т	Cement p 40 bbl Su econocer with bioci Floats ho Halliburto	production casing. Test uper Flush, 10 bbl FW s n system at 13.5 ppg. o de. Bump plug with 17 lding ok. Had full return	lines to 5000 psig. Te spacer. 735 sxs tuned drop plug. Displace ce 50 psig. Pressure to 3 ns during job, with 10 land flowlines. ND BOF	light system at 11.0 ment with 199 bbls le 250 psig. Bleed back bbls cement back to press. Set slips with 140 press. Set slips with 140 press.	ppg, 555 sxs CCL water k 2.5 bbls. surface.RD	
2:30	3.50	06:00	13			Cement p 40 bbl Su econocer with bioci Floats ho Halliburto WOC 2 h over strin	production casing. Test per Flush, 10 bbl FW s in system at 13.5 ppg. of de. Bump plug with 17. Iding ok. Had full return in.	lines to 5000 psig. Te spacer. 735 sxs tuned drop plug. Displace ce 50 psig. Pressure to 3 ns during job, with 10 land flowlines. ND BOF	light system at 11.0 ment with 199 bbls le 250 psig. Bleed back bbls cement back to press. Set slips with 140 press. Set slips with 140 press.	ppg, 555 sxs CCL water k 2.5 bbls. surface.RD	
2:30 2:00 5-32D- PI/UWI 3-013-50	3.50 4.00 -36 BTF	06:00 R 1/9/	13	WAIT ON CEMENT 06:00 - 1/10/201		Cement p 40 bbl Su econocer with bioci Floats ho Halliburto WOC 2 h over strin	production casing. Test per Flush, 10 bbl FW s in system at 13.5 ppg. of de. Bump plug with 17. Iding ok. Had full return in.	lines to 5000 psig. Te spacer. 735 sxs tuned drop plug. Displace ce 50 psig. Pressure to 3 ns during job, with 10 land flowlines. ND BOF	light system at 11.0 ment with 199 bbls le 250 psig. Bleed back bbls cement back to press. Set slips with 140 press. Set slips with 140 press.	ppg, 555 sxs CCL water k 2.5 bbls. surface.RD DK# (30K#	
2:30 2:00 5-32D -	3.50 4.00 -36 BTF	06:00 R 1/9/	13 /2012 tate/Province	WAIT ON CEMENT 06:00 - 1/10/201	2 06:00 Field Name	Cement p 40 bbl Su econocer with bioci Floats ho Halliburto WOC 2 h over strin	production casing. Test uper Flush, 10 bbl FW son system at 13.5 ppg. de. Bump plug with 17: Iding ok. Had full returnon. Ours. Wash out stack ag weight). Clean mud p	lines to 5000 psig. Te spacer. 735 sxs tuned drop plug. Displace ce 50 psig. Pressure to 3 ns during job, with 10 land and flowlines. ND BOF bits. Release rig at 06:	light system at 11.0 ment with 199 bbls le 250 psig. Bleed back bbls cement back to P's. Set slips with 140 00 AM. Final report. Primary Job Ty	ppg, 555 sxs CCL water k 2.5 bbls. surface.RD DK# (30K#	
2:30 2:00 5-32D- F/UWI 3-013-50 ime Log	3.50 4.00 -36 BTF	06:00 R 1/9	13 /2012 tate/Provinc	WAIT ON CEMENT 06:00 - 1/10/201 County Duchesne	2 06:00 Field Name	Cement p 40 bbl Su econocer with bioci Floats ho Halliburto WOC 2 h over strin	production casing. Test uper Flush, 10 bbl FW son system at 13.5 ppg. de. Bump plug with 17: Iding ok. Had full returnon. Ours. Wash out stack ag weight). Clean mud p	lines to 5000 psig. Tespacer. 735 sxs tuned drop plug. Displace ce 50 psig. Pressure to 3 as during job, with 10 and flowlines. ND BOPoits. Release rig at 06:	light system at 11.0 ment with 199 bbls le 250 psig. Bleed back bbls cement back to P's. Set slips with 140 00 AM. Final report. Primary Job Ty	ppg, 555 sxs CCL water k 2.5 bbls. surface.RD DK# (30K#	
2:30 2:00 5-32D- PI/UWI 3-013-50 ime Log	3.50 4.00 -36 BTF 0756 Dur (hr) 3.00	06:00 R 1/9 ,	13 [2012 tate/Provinc JT	WAIT ON CEMENT 06:00 - 1/10/201 County Duchesne Category	2 06:00 Field Name	Cement p 40 bbl Su econocer with bioci Floats ho Halliburto WOC 2 h over strin ail Ridge WSI And Safety M Both Side 11" x 7 1/2	production casing. Test per Flush, 10 bbl FW sen system at 13.5 ppg. of de. Bump plug with 17.1 lding ok. Had full return on. Ours. Wash out stack a g weight). Clean mud per weight status PRODUCING	lines to 5000 psig. Tespacer. 735 sxs tuned drop plug. Displace ce 50 psig. Pressure to 3 as during job, with 10 and flowlines. ND BOFoits. Release rig at 06: Total Depth (ftKB) Comap. Check Surface Casing Cleaned And Dressed 2 1/16' x 5k Gate Val	light system at 11.0 ment with 199 bbls le 250 psig. Bleed back bbls cement back to bbls cement block to bbls size at 100 AM. Final report. Primary Job Ty	ppg, 555 sxs CCL water k 2.5 bbls. surface.RD OK# (30K#	
2:30 2:00 5-32D- PI/UWI 3-013-50 ime Log tart Time 6:00	3.50 4.00 -36 BTF -756	06:00 R 1/9, S L End Time 09:00	13 [2012 tate/Provinc JT Code LOCL	WAIT ON CEMENT 06:00 - 1/10/201 County Duchesne Category Lock Wellhead & Secure	2 06:00 Field Name	Cement p 40 bbl Su econocer with bioci Floats ho Halliburto WOC 2 h over strin ail Ridge WSI And Safety M Both Side 11" x 7 1, 5000 Psi,	production casing. Test per Flush, 10 bbl FW sen system at 13.5 ppg. de. Bump plug with 17 lding ok. Had full returns. Bours. Wash out stack ag weight). Clean mud purchase producing weight because with Night Caseting With Cameron, des.N/D 11" Night Cap, 16" 5k Tbg. Head With	lines to 5000 psig. Tespacer. 735 sxs tuned drop plug. Displace ce 50 psig. Pressure to 3 as during job, with 10 and flowlines. ND BOFoits. Release rig at 06: Total Depth (ftKB)	light system at 11.0 ment with 199 bbls le 250 psig. Bleed back bbls cement back to bbls cement block to bbls size at 100 AM. Final report. Primary Job Ty	ppg, 555 sxs CCL water k 2.5 bbls. surface.RD OK# (30K#	
2:30 2:00 5-32D- PI/UWI 3-013-50 ime Log tart Time 6:00 9:00	3.50 4.00 -36 BTF -756	06:00 R 1/9 S End Time 09:00 11:30	13 [2012 tate/Provinc JT Code LOCL IWHD	WAIT ON CEMENT 06:00 - 1/10/201 County Duchesne Category Lock Wellhead & Secure Install Wellhead	2 06:00 Field Name	Cement p 40 bbl Su econocer with bioci Floats ho Halliburto WOC 2 h over strin ail Ridge WSI And Safety M Both Side 11" x 7 1, 5000 Psi,	production casing. Test per Flush, 10 bbl FW sen system at 13.5 ppg. de. Bump plug with 17 dding ok. Had full return on. Ours. Wash out stack a g weight). Clean mud per production with Night Caseting With Cameron, des. N/D 11" Night Cap, 116" 5k Tbg. Head With Good Test. Secured Vews Bringing In Facilitie	lines to 5000 psig. Tespacer. 735 sxs tuned drop plug. Displace ce 50 psig. Pressure to 3 as during job, with 10 and flowlines. ND BOFoits. Release rig at 06: Total Depth (ftKB)	light system at 11.0 ment with 199 bbls le 250 psig. Bleed back bbls cement back to bbls cement block to bbls size at 100 AM. Final report. Primary Job Ty	ppg, 555 sxs CCL water k 2.5 bbls. surface.RD OK# (30K#	
2:30 2:00 2:00 5-32D- 7/UWI 3-013-50 ime Log tart Time 6:00 9:00 1:30 8:00	3.50 4.00 -36 BTF -756	06:00 R 1/9, S 1 End Time 09:00 11:30 18:00 06:00	13 [2012] tate/Provinc JT Code LOCL IWHD	WAIT ON CEMENT 06:00 - 1/10/201 County Duchesne Category Lock Wellhead & Secure Install Wellhead	2 06:00 Field Name Black Ta	Cement p 40 bbl Su econocer with bioci Floats ho Halliburto WOC 2 h over strin iil Ridge WSI And Safety M. Both Side 11" x 7 1/ 5000 Psi, Prod. Cre WSI And	production casing. Test per Flush, 10 bbl FW sen system at 13.5 ppg. de. Bump plug with 17 dding ok. Had full return on. Ours. Wash out stack a g weight). Clean mud per production with Night Caseting With Cameron, des. N/D 11" Night Cap, 116" 5k Tbg. Head With Good Test. Secured Vews Bringing In Facilitie	lines to 5000 psig. Tespacer. 735 sxs tuned drop plug. Displace ce 50 psig. Pressure to 3 as during job, with 10 and flowlines. ND BOFoits. Release rig at 06: Total Depth (ftKB)	light system at 11.0 ment with 199 bbls le 250 psig. Bleed back bbls cement back to bbls cement block to bbls size at 100 AM. Final report. Primary Job Ty	ppg, 555 sxs CCL water k 2.5 bbls. surface.RD OK# (30K#	



43-013-5	0756	L)	Duchesne	Івіаск і	all Ridge	PRODUCING	8,701.0 Drilling & Completion
Time Log	9							
Start Time	Dur (hr)	End Time	Code	Category				Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure		Light Cre	w working on production facility	ties, welded flow lines together and insulted tank
						battery, I	Hauled in 3% Slurry and frac w	rater. Set flow back tanks and built containment
						horme o	ound flow back tanks	

5-32D-36 BTR 1/15/2012 06:00 - 1/16/2012 06:00								
00.00	24.00	00.00	LOCL		battery, Hauled in 3% Slurry and frac water. Set flow back tanks and built containment berms around flow back tanks.			
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Light Crew working on production facilities, welded flow lines together and insulted tank			
Start Time	Dur (nr)	Ena Time	Code	Category	Com			

API/UWI		S	state/Province	e County	Field Name	9	Well Status	Total Depth (ftKB))	Primary Job Type	
43-013-5	0756	L	JT	Duchesne	Black Ta	ail Ridge	PRODUCING		8,701.0	Drilling & Completion	
Time Lo	g										
Start Time	Dur (hr)	End Time	Code	Category				Com			
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	ock Wellhead & Secure		Well head shut in and secured, Hauled in 3% kcl, finished fill frac tanks,				
						Spotted in	water transfer equipm	nent.			
						No constr	uction activity.				

						140 00	7113110	ionon donvity.				
5-32D	-36 BTR	1/1	6/2012	06:0	0 - 1/17/201	2 06:00						
API/UWI		S	tate/Province	,	County	Field Name		Well Status	Total Depth (ftKB)		Primary Job Type	
43-013-5	0756	Įι	JT		Duchesne	Black Tail Ridg	ge	PRODUCING		8,701.0	Drilling & Completion	

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Su	ndry N	umbe	r: 22	2748 API Well	Numb	er: 4	130135075600	00		
B	Bill B	arret	t Cor	poration						
Time Lo										
Start Time 06:00	Dur (hr) 24.00	06:00	Code LOCL	Category Lock Wellhead & Secure	tested ma swab wel low, then hour on r sand trap back lines from 6-32	Well shut in and secured. N/D 7 1/16" night cap, Installed Cameron Frac mandrel, tested mandrel seals to 5000#, good test, N/U 5 1/8' frac tree, with flow cross, upper swab well & frac Y. R/up flow back lines and sand trap, Pressures tested casing to 500 low, then increased the pressure to 8500 psi in1000# increments, held pressure for half hour on remote chart recorder. Good test on casing. Pressured tested flow back and sand trap 2000 psi. Isolated sand trap and increase pressure to 4500 psi on the flow back lines. good test on flow back system. Started rigging up water transfer equipment from 6-32 staging area to the 5-32 frac tanks. Construction crews are still working on production equipment.				
5-32D)-36 BTF	1/1	7/2012	2 06:00 - 1/18/20	12 06:0	00				
API/UWI	.0750		State/Province	1 '	Field Name		Well Status	Total Depth (ftKB) Primary Job Type		
3-013-5 ime Lo		ļ	JT	Duchesne	Black Ta	ali Riage	PRODUCING	8,701.0 Drilling & Completion		
Start Time	Dur (hr)	End Time	Code	Category				Com		
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure				nished rigging up water transfer lines from 6-32 to 5-3 on production facilities, Still prepping location for fraction for fraction for fraction for fraction for fraction for fraction fraction for fraction fraction from the fraction for fraction fraction from fraction fraction from fraction fraction from fraction fra		
5-32D)-36 BTF	1/1	8/2012	2 06:00 - 1/19/20	12 06:0	00				
API/UWI	0750	-	State/Province		Field Name		Well Status	Total Depth (ftKB) Primary Job Type		
13-013-5 Fime Lo		Į	JT	Duchesne	Black Ta	ali Kidge	PRODUCING	8,701.0 Drilling & Completion		
Start Time	Dur (hr)	End Time	Code	Category				Com		
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure		35 bpm, s	set mountain movers and	rage tanks, establish injection rate on transfer pumps d set HSE water manifold, heating frac tanks and Crews continue to work on production facilities.		
5-32C	-36 BTF			2 06:00 - 1/20/20	12 06:0		Thu man			
13-013-5	0756		State/Province JT	e County Duchesne	Black Ta		Well Status PRODUCING	Total Depth (ftKB) Primary Job Type 8,701.0 Drilling & Completion		
Time Lo	<u> </u>									
Start Time 06:00	Dur (hr) 2.00	End Time 08:00	LOCL	Category Lock Wellhead & Secure		Set up lia	ht towers. SLB crew trav	Com reling to location.		
08:00	2.00	10:00	SRIG	Rig Up/Down		SLB Wire line crew arrived on location. Spotted in crane & E-line equipment. Safety meeting with Wire line crew, Review wind speeds and suspended loads and Radio silent when arming guns. Rigged up crane, P/up wire line BOP's, Grease head and Lubricator. R/U pressure test unit to wire line bop, pressure tested wire line stack to 4500 psi, test held good for 5 minutes. Bled off pressure, Disconnected lub. Check pressure on well, 0 psi.				
10:00	2.00	12:00	PFRT	Perforating		gun, equa marker jo (CBL/CC verified C 8340, 836 8439' to 8509, 85	alized lub with 50/50 met vint @ 7432' to 52', made CL/GR Ran on 1-10-12) CL was still on depth. D 60' to 8361', 8378' to 83 8440', 8454' to 8455', 8 13' to 8514', 8523' to 852	3 1/8" loaded with 45 shots, gun type 3104 PJO perf thanol. Open Well, RIH with Stg #1 perf guns. Locatice depth correction to CCL using SLB log reference Completed tie in, drop down to tie in collar @ 8457, ropped down and Perf'd Stg #1 interval from. 8339' to 79', 8392' to 8393', 8403' to 8404', 8419' to 8420', 469' to 8470', 8479' to 8480, 8495' to 8496, 8508' to 24', 8535' to 8536. All shots fired as designed. Pooh Secured and freeze protected frac tree for the night.		
12:00		14:30	SRIG	Rig Up/Down		MIRU Ha Construc	lliburton frac equipment. tion crews are still workir	Heating frac water on 6-32-36 staging area. ng on production facilities.		
14:30	15.50	l	LOCL	Lock Wellhead & Secure	1.5.		location for the night.			
)-36 BTF			2 06:00 - 1/21/20			The state of	T		
.PI/UWI 3-013-5	0756		State/Province JT	County Duchesne	Field Name Black Ta		Well Status PRODUCING	Total Depth (ftKB) Primary Job Type 8,701.0 Drilling & Completion		
ime Lo	g				•					
Start Time 06:00	Dur (hr) 1.00	End Time 07:00	Code GOP	Category General Operations		frac equip and wate	oment, Started and Prime	com travel to location, Arrived @ 05:00, Finished Setting ed frac pumps. Ran QA/QC fluid checks on Chemical on Gel-pro and Blender, good test on LA pumps.		
07:00	0.50	07:30	SMTG	Safety Meeting		Muster pour	oints and safe zones, Ide	Review JSA and all hazards on location. Established entified Red Zones around treating iron. Discussed to job. designated smoking area, Working around		

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Time Lo	g				
Start Time	Dur (hr)	End Time	Code	Category	Com
07:30	1.50	09:00	FRAC	Frac. Job	Pressure tested treating iron @ 9200 psi. Stg #1 of 9, Zone Stg CR-5, 4A, & CR-4, Water Temp @ 68 *. Open Well @ 07:02 Hrs, @ 10 psi, 0 Surface and Frac Mandrel, 0 psi. Formation Break Down @ 7.7 bpm, 2612 psi. Started on 15%HCL @ 11.5 bpm 2250 psi, Pumped Bioballs @ 29.5 bpm 2630 psi. Total Bbls of 15% HCL Pump 93.2 bbls & Bio-Balls pumped 90. Started on 3% KCL Slick Water pad @ 72.3 bpm, 3618 psi. Shut down for ISIP & Open Perforation = 45 out of 45 shots, ISIP = 2092 psi, .69 Frac Gradient. Started on X-link / 20# Hybor pad @ 72.1 bpm, 3692 psi Start 2#/ Gal 20/40 CRC sand, 72.1 bpm, 3755 psi 2# 72.0 bpm, 3650 psi 2# On perfs bpm 72.0 @ 3420 psi 3.5# 72.0 bpm, 3370 psi 3# On perfs bpm 72.0 @ 3179 psi 3.5# 72.0 bpm, 3162 psi 3.5# On perfs bpm 72.1 @ 3105 psi 4# 72.0 bpm, 3106 psi 4# On perfs bpm 71.2 @ 3047 psi On Flush @ 72.1 bpm, 3169 psi. Final Injection, 73.2 bpm, 3545 psi. Open Perforation = 45 out of 45 shots, ISDP, 2250 psi, 0.71 Frac Gradient. Max Rate 70.4 bpm, Max Pressure 4884 psi. Avg Rate 72.4 bpm, Avg Pressure 3489 psi Total X-link fluids pumped: 66,115 gals Total Slick water Pad pumped: 70,178 gals Total Slick water Pad pumped: 70,178 gals Total Slick water Pad pumped: None Job was pumped as designed, Placed 100% of 20/40 CRC in formation. Fluid system looked good throughout the whole job.
09:00	1.50	10:30	PFRT	Perforating	R/U E-line, P/up stg #2, 10K Fast Drill CBP and 3 1/8", 3104 PJO Perf guns. Pressure tested lub, RIH to target depth, ran correlation strip from CBL/CCL/GR log reference ran on 1-10-12. Made depth correction to CCL, drop down to tie in collar, verified CCL was still on depth. Set CBP plug @ 8332', with 2100 psi, pulled up and perforated stg #2 intervals from 8024' to 8304'. POOH w/ e-line, L/D Spent guns, All shots fired as design. Turned Well over to HES to Frac stg #2.
10:30		12:00	FRAC	Frac. Job	Pressure tested treating iron @ 8001 psi. Stg # 2 of 3, Zone Stg CR-4, Water Temp @ 72*. Open Well @ 10:15 Hrs, @ 2000 psi, 0 Surface and Frac Mandrel, 0 psi. Formation Break Down @ 11.5 bpm, 2560 psi.Started on 15%HCL @ 11.5 bpm 2545 psi, Pumped Bioballs @ 30.5 bpm 3749 psi.Total Bbls of 15% HCL Pump 93.7 bbls & Bio-Balls pumped 78. Started on 3% KCL Slick Water pad @ 72.0 bpm, 4206 psi. Open Perforation = 33 out of 39 shots, ISIP = 2182 psi, .71 Frac Gradient. Started on X-link / 20 System Hybor pad @ 72.2 bpm, 4091 psi. Start 2#/ Gal 20/40 CRC sand, 71.8 bpm, 4160 psi 2# 71.1 bpm, 4142 psi 2# On perfs bpm 71.9 @ 3964 psi 3# 71.9 bpm, 3961 psi 3# On perfs bpm 71.9 @ 3760 psi 3.5# 72.0 bpm, 3667 psi 3.5# On perfs bpm 71.9 @ 3601 psi 4# 70.4 bpm, 3519 psi 4# On perfs bpm 72.0 @ 3525 psi On Flush @ 72.2 bpm, 3640 psi. Final Injection,73.3 bpm, 3900 psi. Open Perforation = 33 out of 39 shots, ISDP, 2417 psi, 0.74 Frac Gradient. Max Rate 72.2 bpm, Max Pressure 4741 psi. Avg Rate 70.4 bpm, Avg Pressure 3921 psi Total X-link fluids pumped: 72,431 gals Total Slick water Pad pumped: 70,127 gals Total Iluid in bbls pumped: 3487 bbls Total 20/40 CRC Pumped = 169,947, Total 100 Mesh Sand Pumped: None. Pumped was pumped as designed, Turned well over to E-line.
12:00	1.50	13:30	PFRT	Perforating	R/U E-line, P/up stg #3, 10K Fast Drill CBP and 3 1/8", 3104 PJO Perf guns. Pressure tested lub, RIH to target depth, ran correlation strip from CBL/CCL/GR log reference ran on 1-10-12. Made depth correction to CCL, drop down to tie in collar, verified CCL was still on depth. Set CBP plug @ 8013', with 2050 psi, pulled up and perforated stg #3 intervals from 7904' to 7997'. POOH w/ e-line, L/D Spent guns, All shots fired as design. Had to make Stg #3 in 2 separate gun runs.
13:30	1.00	14:30	PFRT	Perforating	P/up second set of stg #3, 3 1/8", 3104 PJO Perf guns. Pressure tested lub, RIH to target depth, ran correlation strip from CBL/CCL/GR log reference ran on 1-10-12. Made depth correction to CCL, drop down to tie in collar, verified CCL was still on depth. Perf'd the upper section of stg #3 intervals from 7754' to 7885'. POOH w/ e-line, L/D Spent guns, All shots fired as design. Turned Well over to HES to Frac stg #3.

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Time Lo								
Start Time 14:30		End Time 16:00	FRAC	Frac. Job		73 *. Ope Formation psi, Pump Bio-Balls Started or Perforatio pad @ 72 2# 72.1 bj 3.5# 72.1 4# 72.2 bj On Flush = 45 out of Pressure Total X-lir Total Slicl Total fluid Total 20/4 Total 100	n Well @ 14:28 Hrs, with 190 n Break Down @ 11.6 bpm, 2: bed Bioballs @ 32.2 bpm 2865 pumped 102 n 3% KCL Slick Water pad @ in = 38 out of 51 shots, ISIP = 1.1 bpm, 3539 psi. Start 2#/ Gipm, 3517 psi 2# On perfs bpn pm, 3345 psi 3# On perfs bpn bpm, 3167 psi 3.5# On perfs pm, 3124 psi 4# On perfs bpn @ 71.8 bpm, 3242 psi. Final	n 72.1 @ 3174 psi bpm 72.2 @ 3120 psi n 72.2 @ 3134 psi Injection, 73.1 bpm, 3462 psi. Open Perforation .74 Frac Gradient. Max Rate 72.2 bpm, Max , Avg Pressure 3387 psi
16:00	1.25	17:15	PFRT	Perforating		tested lub on 1-10-1 still on de intervals f	, RIH to target depth, ran corn 2. Made depth correction to C pth. Set CBP plug @ 7748', w	CBP and 3 1/8", 3104 PJO Perf guns. Pressure relation strip from CBL/CCL/GR log reference ran CCL, drop down to tie in collar, verified CCL was /ith 2040 psi, pulled up and perforated stg #4 e-line, L/D Spent guns, All shots fired as design.
17:15	12.75	06:00	LOCL	Lock Wellhead & Secure				nd frac equipment, Con't to heat & transfer frac 2 location. hauling in frac sand.
5-32E)-36 BTF	1/2	1/2012	2 06:00 - 1/22/20	12 06:0	00		
api/uwi 43-013-5			tate/Provinc JT	e County Duchesne	Field Name Black Ta	e ail Ridge	Well Status PRODUCING	Total Depth (ftKB) Primary Job Type 8,701.0 Drilling & Completion
Time Lo		Leuren	Louis	0.4				0
Start Time 06:00	, ,	End Time 07:15	GOP	General Operations				Com ocation, Arrived @ 05:00 hrs. Started and primed checks. Completed pressure test in treating iron.
07:15	0.25	07:30	SMTG	Safety Meeting		Muster pousing goo	pints and safe zones, Identifie	w JSA and all hazards on location. Established d Red Zones around treating iron. Discussed b. designated smoking area, Working around
07:30	1.50	09:00	FRAC	Frac. Job		Temp @ (psi. Forma 2544 psi, bbls & Bic Started or Perforatio pad @ 71 X-linking, 70.9 bpm. Start 2#/ (60 *. Open Well @ 07:22 Hrs, ation Break Down @ 10.4 bpr Pumped Bioballs @ 29.8 bpn b-Balls pumped 72. n 3% KCL Slick Water pad @ in = 34 out of 36 shots, ISIP = .2 bpm, 4127 psi. Had to drop Pumped additional 15,000 ga. Staged into 2# sand. Gal 20/40 CRC sand @ 70.7 b	si. Pumped Stg #4 of 9, Zone Stg CR-2, Water 1700 psi on csg. 0 Surface and Frac Mandrel, 0 m, 2900 psi. Started on 15%HCL @ 10.0 bpm n 2910 psi.Total Bbls of 15% HCL Pump 85.9 70.3 bpm, 3919 psi Shut down for ISIP & Open 2322 psi, .74 Frac Gradient. Started on X-link pump rate to 28.5 bpm due to fluids system not als, established X-link, increased pump rate to copm, 4079 psi and 40 50 sks of 20/40 CRC

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to 2# Stg.

2# 70.9 bpm, 4039 psi 2# On perfs bpm 71.8 @ 3930 psi, Added 50 sks of 20/40 CRC

On Flush @ 72.4 bpm, 3913 psi. Final Injection, 72.5 bpm, 4355 psi. Open Perforation = 36 out of 36 shots, ISDP, 2516 psi, 0.77 Frac Gradient. Max Rate 71.9 bpm, Max

Pumped additional 50 sks in the 2# ppg stg due excess sand in mountain mover

3# 71.8 bpm, 3891 psi 3# On perfs bpm 71.9 @ 3738 psi 3.5# 71.9 bpm, 3754 psi 3.5# On perfs bpm 71.8 @ 3700 psi 4# 71.4 bpm, 3787 psi 4# On perfs bpm 71.1 @ 3779 psi

Total X-link fluids pumped: 88,053 gals
Total Slick water Pad pumped: 71,301 gals
Total fluid in bbls pumped: 3879 bbls

Total Prem White Sand pumped, 20/40 = 174,900,

Pressure 4614 psi. Avg Rate 63.7 bpm, Avg Pressure 3729 psi

ime Lo	Dur (hr)	End Time	Code	Category	Com
9:00		10:15	PFRT	Perforating	R/U E-line, P/up stg #5, 10K Fast Drill CBP and 3 1/8", 3104 PJO Perf guns. Pressure tested lub, RIH to target depth, ran correlation strip from CBL/CCL/GR log reference ran on 1-10-12. Made depth correction to CCL, drop down to tie in collar, verified CCL was still on depth. Set CBP plug @ 7563', with 2050 psi, pulled up and perforated stg #5 intervals from 7342' to 7547'. ending well head pressure @ 1850 psi. POOH w/ e-line, L/D Spent guns, All shots fired as design. Turned Well over to HES to Frac stg #5.
0:15	1.50	11:45	FRAC	Frac. Job	Pressure tested treating iron @ 8300 psi. Pumped Stg #5 of 9, Zone Stg CR-2 Wasatch, Water Temp @ 60 *. Open Well @ 10:52 Hrs, With 1800 on the Csg psi, 0 Surface and Frac Mandrel, 0 psi. Formation Break Down @ 10.1 bpm, 2647 psi. Started on 15%HCL @ 10.1 bpm 2053 psi, Pumped Bioballs @ 30.0 bpm 2836 psi. Total Bbls of 15% HCL Pump 93.7 bbls & Bio-Balls pumped 78. Started on 3% KCL Slick Water pad @ 71.4 bpm, 4204 psi. Shut down for ISIP & Open Perforation = 31 out of 39 shots, ISIP = 2087 psi, .72 Frac Gradient. Started on X-link pad @ 72.1 bpm, 3975 psi. Start 2#/ Gal 20/40 Prem White sand, 72.0 bpm, 4139 psi. 2# 71.8 bpm, 3981 psi 2# On perfs bpm 71.7 @ 3772 psi 3# 71.1 bpm, 3762 psi 3# On perfs bpm 72.1 @ 3452 psi 3.5# 72.1 bpm, 3396 psi 3.5# On perfs bpm 72.1 @ 3380 psi 4# 72.1 bpm, 3391 psi 4# On perfs bpm 72.1 @ 3335 psi On Flush @ 71.9 bpm, 3399 psi. Final Injection, 72.9 bpm, 3774 psi. Open Perforation = 39 out of 39 shots, ISDP, 2250 psi, 0.74 Frac Gradient. Max Rate 72.2 bpm, Max Pressure 4869 psi. Avg Rate 71.9 bpm, Avg Pressure 3795 psi Total X-link fluids pumped: 64,688 gals Total Slick water Pad pumped: 66,519 gals Total Slick water Pad pumped: 3225 bbls Total Prem White Sand pumped, 20/40 = 152,000# of PremWhite Sand. Job was pumped as Designed. Total 20/40 CRC, 4,500# Pumped CRC in 2# stg.
1:45	1.50	13:15	PFRT	Perforating	R/U E-line, P/up stg #6, 10K Fast Drill CBP and 3 1/8", 3104 PJO Perf guns. Pressure tested lub, RIH to target depth, ran correlation strip from CBL/CCL/GR log reference ran on 1-10-12. Made depth correction to CCL, drop down to tie in collar, verified CCL was still on depth. Set CBP plug @ 7336', with 1600 psi, pulled up and perforated stg #6 intervals from 7075' to 7317'. POOH w/ e-line, L/D Spent guns, All shots fired as design. Turned Well over to HES to Frac stg #6.
3:15	1.50	14:45	FRAC	Frac. Job	Pressure tested treating iron @ 8200 psi. Pumped Stg #6 of 9, Zone Stg CR-1, Water Temp @ 70*. Open Well @ 13:52 Hrs, With 1577 on the csg psi, 0 Surface and Frac Mandrel, 0 psi. Formation Break Down @ 10.2 bpm, 2000 psi. Started on 15%HCL @ 10.1 bpm 2095 psi, Pumped Bioballs @ 29.7 bpm 3149 psi.Total Bbls of 15% HCL Pump 93.7 bbls & Bio-Balls pumped 78. Started on 3% KCL Slick Water pad @ 71.9 bpm, 3771 psi. Shut down for ISIP & Open Perforation = 30 out of 39 shots, ISIP = 1515 psi, .65 Frac Gradient. Started on X-link /1# ppg 100 mesh pad @ 71.9 bpm, 3771 psi. Started 1# ppg Prem White and, 72.2 bpm, 3282 psi 1# 72.2 bpm, 3282 psi 1# On perfs bpm 72.1 @ 3141 psi 2# 72.2 bpm, 3282 psi 1# On perfs bpm 72.1 @ 3141 psi 2# 72.2 bpm, 3128 psi 2# On perfs bpm 72.2 @ 2981 psi 3# 72.2 bpm, 2953 psi 3# On perfs bpm 72.3 @ 2780 psi 0.5# 72.3 bpm, 2707 psi 3.5# On perfs bpm 72.3 @ 2708 psi On Flush @ 72.9 bpm, 2672 psi. Final Injection, 72.9 bpm, 2908 psi Open Perforation = 39 out of 39 shots, ISDP, 1478 psi, 0.70 Frac Gradient. Max Rate 72.4 bpm, Max Pressure 4508 psi. Avg Rate 72.2 bpm, Avg Pressure 3207 psi Total X-link fluids pumped: 77,419 gals Total Slick water Pad pumped: 66,486 gals Total Slick water Pad pumped: 3519 bbls Total Prem White Sand pumped: 3519 bbls Total Prem White Sand pumped: 19,000#
4:45	1.25	16:00	PFRT	Perforating	R/U E-line, P/up stg #7, 10K Fast Drill CBP and 3 1/8", 3104 PJO Perf guns. Pressure tested lub, RIH to target depth, ran correlation strip from CBL/CCL/GR log reference ran on 1-10-12. Made depth correction to CCL, drop down to tie in collar, verified CCL was still on depth. Set CBP plug @ 7070', with 1650 psi, pulled up and perforated stg #7 intervals from 6828' to 7054'. POOH w/ e-line, L/D Spent guns, All shots fired as design.
					Turned Well over to HES to Frac stg #7 in the am.
6:00	3.50	19:30	GOP	General Operations	Continued to heat and transfer frac water from the 6-32 staging area.

5-32D-36 BTR 1/22/2012 06:00 - 1/23/2012 06:00

	State/Province	County				Primary Job Type
43-013-50756	UT	Duchesne	Black Tail Ridge	PRODUCING	8,701.0	

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Time Lo		End Time	Code	Cotogon	Com
Start Time 06:00	Dur (hr) 2.25	08:15	GOP	Category General Operations	Yard Call, 04:00 hrs, Crew needed 10 hrs off. Travel to location Arrived @ 06:00 hrs. Started & Primed frac pumps. Ran QA/QC fluid checks on Chemicals & Water straps, bucket tested on Gel-pro and Blender. Delay in pump time due to bled off manifold being froze up. Thawed out valves, circulated warm water across the Frac tree.
08:15	0.50	08:45	SMTG	Safety Meeting	Held contractor safety meeting. Review yesterday's pump issues & JSA, Discussed all hazards on location. Established Muster points and safe zones, Identified Red Zones around treating iron. Discussed using good communication during to job. designated smoking area, Working around suspended loads and in Windy condition and explosives.
08:45	1.50	10:15	FRAC	Frac. Job	Pressure tested treating iron @ 8709 psi. Stg # 7 of 9, Zone Stg, Castle Peak, Uteland Butte & CR-1, Water Temp @ 60 * Open Well @08:40 Hrs, W/ 536 # on the csg, 0 Surface and Frac Mandrel, 0 psi. Formation Break Down @ 11.2 bpm, 1123 psi. Started on 15%HCL @ 10.1 bpm 151 psi, Pumped Bioballs @ 29.8 bpm 2611 psi.Total Bbls of 15% HCL Pump 93.7 bbls & Bio-Balls pumped 78. Started on 3% KCL Slick Water pad @ 72.1 bpm, 3299 psi, shut down for ISIP, Open Perforation = 34 out of 39 shots, ISIP = 1436 psi, 64 Frac Gradient. Started on X-link / 1# ppg 100 mesh stg, @ 73.1 bpm, 3412 psi.Start 1#/ Gal 20/40 Prem White sand, 73.3pm, 3412 psi 1# 73.3 bpm, 3350 psi 1# On perfs bpm 73.1 @ 3300 psi 2# 73.1 bpm, 3211 psi 2# On perfs bpm 73.1 @ 2964 psi 3.5# 73.3 bpm, 2596 psi 3# On perfs bpm 73.2 @ 2512 psi 3.5# 73.3 bpm, 2497 psi 4# On perfs bpm 73.2 @ 2512 psi On Flush @ 73.3 bpm, 2881 psi.Final Injection, 73.9 bpm, 3400 psi. Open Perforation = 38 out of 39 shots, ISDP, 1519 psi, 0.66 Frac Gradient. Max Rate 73.4 bpm, Max Pressure 3836 psi. Avg Rate 73.1 bpm, Avg Pressure 3056 psi Total X-link fluids pumped: 8165 gals Total Slick water Pad pumped: 69164 gals Total Frem White Sand pumped: 20,100#. Job was pumped to designed.
10:15	1.50	11:45	PFRT	Perforating	R/U E-line, P/up stg #8, 10K Fast Drill CBP and 3 1/8", 3104 PJO Perf guns. Pressure tested lub, RIH to target depth, ran correlation strip from CBL/CCL/GR log reference ran on 1-10-12. Made depth correction to CCL, drop down to tie in collar, verified CCL was still on depth. Set CBP plug @ 6814', with 1100 psi, pulled up and perforated stg #8 intervals from 6608' to 6794'. POOH w/ e-line, L/D Spent guns, All shots fired as design. Turned Well over to HES to Frac stg #8.
11:45		13:15	FRAC	Frac. Job	Pressure tested treating iron @ 8500 psi. Stg # 8 of 9, Zone Stg: Castle Peak and Black Shale, Water Temp @ 55 *. Open Well @ 11:56 Hrs, W/ 880# on the Csg 0 Surface and Frac Mandrel, 0 psi Formation Break Down @ 9.2 bpm, 1226 psi. Started on 15% HCL @ 9.5 bpm 1202 psi, Pumped Bioballs @ 30.0 bpm 1787 psi. Total Bbls of 15% HCL Pump 94.0 bbls & Bio Balls. pumped 78. Started on 3% KCL Slick Water pad @ 70.4 bpm, 3774 psi. Shut Down Of ISIP & Open Perforation = 30 out of 39 shots, ISIP = 1230 psi, .62 Frac Gradient. Started on X-link /1# ppg 100 mesh pad @ 72.5 bpm, 2953 psi. Start 1#/ Gal 20/40 Prem White sand, 72.4 bpm, 2924 psi 1# 72.4 bpm, 2924 psi 1# On perfs bpm 72.2 @ 2877 psi 2# 72.2 bpm, 2822 psi 2# On perfs bpm 72.2 @ 2647 psi 3.5# 72.2 bpm, 2633 psi 3# On perfs bpm 72.2 @ 2647 psi 3.5# 72.2 bpm, 2369 psi 3.5# On perfs bpm 72.2 @ 2281 psi 4# 72.3 bpm, 2280 psi 4# On perfs bpm 72.2 @ 2232 psi On Flush @ 69.8 bpm, 2380 psi. Final Injection, 72.9 bpm, 2650 psi. Open Perforation = 39 out of 39 shots, ISDP, 1561 psi, 0.67 Frac Gradient. Max Rate 72.6 bpm, Max Pressure 5135 psi.Avg Rate 72.2 bpm, Avg Pressure 2745 psi Total X-link fluids pumped: 76,395 gals Total Slick water Pad pumped: 61,366 gals Total Iluid in bbls pumped: 3372 bbls Total Prem White Sand pumped: 19,000#. Job was pumped as designed.
13:15	1.25	14:30	PFRT	Perforating	R/U E-line, P/up stg #9, 10K Fast Drill CBP and 3 1/8", 3104 PJO Perf guns. Pressure tested lub, RIH to target depth, ran correlation strip from CBL/CCL/GR log reference ran on 1-10-12. Made depth correction to CCL, drop down to tie in collar, verified CCL was still on depth. Set CBP plug @ 6602', with 1000 psi, pulled up and perforated stg # 9 intervals from 6485' to 6587'. POOH w/ e-line, L/D Spent guns, All shots fired as design. Turned Well over to HES to Frac stg #9.



)													
Time Lo													
Start Time 14:30		15:15	FRAC	Frac. Job		Temp @ 6 Mandrel, (10.2 bpm Pump 79 Started or Perforatio link /1# pp Start 1#/ (On perfs to Seen Preson Flush 1.0 Frac Community Max Rate Total X-lin Total Slick Total fluid Total Prer	60 *. Open Well @ 14:40 F 0 psi. Formation Break Dov 1700 psi, Pumped Bioballs bbls & Bio-Balls pumped 6 n 3% KCL Slick Water pad n = 27 out of 33 shots, ISI og 100 mesh stg @ 71.4 bp Gal 20/40 Prem White san opm 71.3 @ 5901 psi ssure spike when 1# ppg 2 @ 71.2 bpm, 6150 psi. Fin Gradient.	@ 66.8 bpm, 6250 psi Shut down for ISIP & Open P = 3673 psi, 1.0 Frac Gradient. Started on X-bm, 5488 psi id, 71.3 bpm, 5301 psi, 1# 71.3 bpm, 5301 psi 1# 10/40 sand hit perf. Cut sand and went to flush. It is in the started psi, 18DP, 1.104 psi, 18380 psi. Avg Rate 68 bpm, Avg Pressure 5435 psi als 24 gals 180 psi. ISDP, 1.104 psi, 180 psi. ISDP, 1.104					
15:15	1.00	16:15	WLWK	Wireline		P/T lub, o setting de to release	pen well, RIH to target dep pth and set CBP / Kill plug casing pressure, bled pre- plug holding good static tes	ter 20 setting tool and HES Fast drill CBP / Kill plug, with completed marker jt tie in, dropped down to @ 6450' with a 1700 psi on the well. Opened well ssure off to 0 psi and watched for 5 minutes with 0 t.Pooh with E-line. L/D setting tool. Shut in &					
16:15							Rig down SLB Wire line equipment and Halliburton Frac equipment. Rig down water manifold and WP&D water transfer lines. Batch water for work over rig. Secured and freeze protected well head.						
18:45	11.50	06:15	LOCL	Lock Wellhead & Secure		Secured a	and Policed location for the	night.					
5-32E	0-36 BTF	1/2	3/2012	2 06:00 - 1/24/201	2 06:0	00							
API/UWI		S	tate/Province	e County	Field Name	Э	Well Status	Total Depth (ftKB) Primary Job Type					
43-013-5 Time Lo		ال	<i>,</i> 1	Duchesne	DIACK 18	ail Ridge	PRODUCING	8,701.0 Drilling & Completion					
Start Time	Dur (hr)	End Time	Code	Category				Com					
06:00		07:00	LOCL	Lock Wellhead & Secure		WSI.							
07:00		07:30	SMTG	Safety Meeting			ty Meeting						
07:30		12:00	GOP	General Operations			hauled off Frac sand.						
12:00	1.00	13:00	ВОРІ	Install BOP's		ND Goat I Annullar. Function	·	(16" 5K BOP & 7 1/16" 5K Flow Cross, & 7 1/16" 5K					
13:00	3.00	16:00	SRIG	Rig Up/Down		MIRU w/o	Rig.						
16:00				Rig Up/Down		Unload Th	<u> </u>						
17:00		06:00	LOCL	Lock Wellhead & Secure		Secure we	ell, SDFN.						
)-36 BTF	1/2	4/2012	2 06:00 - 1/25/201	2 06:0	00							
API/UWI 43-013-5 Time Lo			tate/Province JT	County Duchesne	Field Name Black Ta	e ail Ridge	Well Status PRODUCING	Total Depth (ftKB) Primary Job Type 8,701.0 Drilling & Completion					
Start Time	Dur (hr)	End Time	Code	Category				Com					
06:00	1.00	07:00	LOCL	Lock Wellhead & Secure		WSI.							
07:00	0.50	07:30	SMTG	Safety Meeting		JSA Safet	ty Meeting						
07:30		10:30	RUTB	Run Tubing		Nipple, Co	ont. PU Tbg. Tag Kill Plug	80 EUE Tbg., 2.205" XN Nipple, 1 Jt., 2.313 X @ 6520", Lay down 5 Jts.					
10:30		11:00	SRIG	Rig Up/Down		RU Power							
11:00		14:00	GOP	General Operations		-	RD pump and tank off of 13	3-12-46 BTR.					
14:00	16.00	06:00	LOCL	Lock Wellhead & Secure		WSI.							
5-32 C)-36 BTF		5/2012 tate/Province	2 06:00 - 1/26/201	12 06:0		Well Status	Total Depth (ftKB) Primary Job Type					
43-013-5			JT	Duchesne	Black Ta		PRODUCING	8,701.0 Drilling & Completion					
Time Lo													
Start Time 06:00	Dur (hr)	End Time 07:00	Code LOCL	Category Lock Wellhead & Secure		WSI.		Com					
00.00	1.00	07.00	LUCL	Lock Weillieau & Secure		νν 3 1.							



tart Time	Dur (hr)	End Time	Code	Category	Com
7:00	0.50	07:30	SMTG	Safety Meeting	JSA Safety Meeting
7:30	1.00	08:30	SRIG	Rig Up/Down	RU rig pump.
8:30		16:00	DOPG	Drill Out Plugs	Make connections to next plug. Establish circ. w/ Rig pump @ 1.5 Bbls./min. Drill Plugs as follows: Plg.@ 6450', Csg0# Plg.@ 6602', 15' of sand. Lost Circ. Regained after 10 min. Csg0#, Plg.@ 6814', 20' of sand. Lost Circ. Regained after 10 min. Csg0 Plg.@ 7070', 20' of sand. Lost Circ. Regained after 20 min. Csg0 Plg.@ 7336'. 25' of sand. Lost Circ. Regained after 15 min. Csg0 Plg.@ 7563'. 30' of sand. Lost circ. Regained after 10 min. Csg0 Plg.@ 7748'. 15' of sand. Csg400# Plg.@ 8013'. 30' of sand. Csg500# Cleaned out to FC @ 8611' 40' of sand. Csg450# Circulated bottoms up.
6:00		16:30	SRIG	Rig Up/Down	RD Power Swivel
6:30	0.50	17:00	PULT	Pull Tubing	Lay down Tbg. to landing depth, w/15 Jts.
7:00	1.00	18:00	GOP	General Operations	Drain up all fluid equip., Tarp in well head. Secure well. SDFN.
8:00	12.00	06:00	LOCL	Lock Wellhead & Secure	WSI.
6:00		06:00			

|5-32D-36 BTR | 1/26/2012 06:00 - 1/27/2012 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50756	UT	Duchesne	Black Tail Ridge	PRODUCING	8,701.0	Drilling & Completion
Time Log						

Start Time	Dur (hr)	End Time	Code	Category	Com							
06:00	1.00	07:00	LOCL	Lock Wellhead & Secure	WSI.							
07:00	0.50	07:30	SMTG	Safety Meeting	JSA Safety Meeting							
07:30	0.50	08:00	GOP	General Operations	PU Tbg. Hanger, Wash bowl w/ 5 Bbls. Stage Hanger thru BOP stack & Test. Tubing Des: Tubing - Production Set Depth (ftKB): 6,404.3 Run Date: 2012/01/26 18 Pull Date: Tubing Components							
					Jts Item Des OD (in) ID (in) Wt (lb/ft) Grade Top Thread Lei (ft) Top (ftKB) Btm (ftKB)							
					1 Tubing Hanger 5 2.441 6.5 L-80 0.44 0 0.4 202 Tubing 2 7/8 2.441 6.5 L-80 6,337.43 0.4 6.337.90							
					1 X Profile Nipple 2 7/8 2.313 6.5 L-80 1.21 6,337.90 6,339.10							
					1 Tubing 2 7/8 2.441 6.5 L-80 31.5 6,339.10 6,370.60							
					1 XN Nipple 2 7/8 2.205 6.5 L-80 1.29 6,370.60 6,371.90							
					1 Tubing 2 7/8 2.441 6.5 L-80 31.51 6,371.90 6,403.40							
					1 Pump Off Bit Sub 3 1/8 2.441 6.5 0.95 6,403.40 6,404.30							
08:00	0.50	08:30	SRIG	Rig Up/Down	RD Tbg. equip. & work floor.							
08:30	0.50	09:00	BOPR	Remove BOP's	ND BOP, NU Produciton Tree.							
09:00	1.00	10:00	GOP	General Operations	Tie in sales line, & Sand can. Pump off bit & chase w/ 30 Bbls.							

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T1 1	-									
Time Log										
Start Time	Dur (hr)	End Time	Code	Category	Com					
10:00	5.00	15:00	SRIG	Rig Up/Down	RDMO w/o Rig.					
15:00	15.00	06:00	GOP	General Operations	Put well on production.					

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	STATE OF UTAH			FORM 9		
ι	DEPARTMENT OF NATURAL RESOL DIVISION OF OIL, GAS, AND N		i	5.LEASE DESIGNATION AND SERIAL NUMBER: 20G0005608		
SUNDR	Y NOTICES AND REPORT	SON	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE		
Do not use this form for pro current bottom-hole depth, I FOR PERMIT TO DRILL form	posals to drill new wells, significan reenter plugged wells, or to drill hor n for such proposals.	itly deep rizontal la	en existing wells below aterals. Use APPLICATION	7.UNIT or CA AGREEMENT NAME:		
1. TYPE OF WELL Oil Well				8. WELL NAME and NUMBER: 5-32D-36 BTR		
2. NAME OF OPERATOR: BILL BARRETT CORP				9. API NUMBER: 43013507560000		
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300	, Denver, CO, 80202		NE NUMBER: 312-8164 Ext	9. FIELD and POOL or WILDCAT: CEDAR RIM		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1800 FNL 0607 FWL			COUNTY: DUCHESNE			
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: SWNW Section:	HP, RANGE, MERIDIAN: 32 Township: 03.0S Range: 06.0W I	: U	STATE: UTAH			
11. CHECH	K APPROPRIATE BOXES TO INDIC	CATE NA	ATURE OF NOTICE, REPOR	RT, OR OTHER DATA		
TYPE OF SUBMISSION		TYPE OF ACTION				
	ACIDIZE		LTER CASING	CASING REPAIR		
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	□ c	HANGE TUBING	CHANGE WELL NAME		
	CHANGE WELL STATUS	□ c	OMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE		
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	F	RACTURE TREAT	NEW CONSTRUCTION		
	OPERATOR CHANGE	P	LUG AND ABANDON	PLUG BACK		
SPUD REPORT	PRODUCTION START OR RESUME	□ R	ECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION		
Date of Spud:	REPERFORATE CURRENT FORMATION	□ s	IDETRACK TO REPAIR WELL	TEMPORARY ABANDON		
	TUBING REPAIR		ENT OR FLARE	WATER DISPOSAL		
✓ DRILLING REPORT Report Date:	WATER SHUTOFF		I TA STATUS EXTENSION	APD EXTENSION		
2/1/2012			I TA STATUS EXTENSION			
	WILDCAT WELL DETERMINATION		OTHER	OTHER:		
	COMPLETED OPERATIONS. Clearly sho	-		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY March 07, 2012		
NAME (PLEASE PRINT)	PHONE NU	MBER	TITLE			
Brady Riley	303 312-8115		Permit Analyst			
SIGNATURE N/A			DATE 3/5/2012			



20:15

9.75 06:00

FBCK

Flowback Well

5-32E)-36 BTF	2/1/	/2012	06:00 - 2/2/2012	2 06:00			
API/UWI 43-013-5	60756	S	tate/Provinc		Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 8,701.	Primary Job Type O Drilling & Completion
Time Lo		I = · =						
Start Time 06:00	Dur (hr)	End Time 08:00	FBCK	Category Flowback Well	Continue	to flow well on 26/64"	Com choke, 24 hrs production oil 3	93 water 733 gas 557
08:00		09:30	SRIG	Rig Up/Down	By-passe production	ed sand trap, turned we on water.	Il flow to separator, flushed on a p. Continued to flow well on a	ut sand trap with 150*
09:30	1.50	11:00	CTUW	W/L Operation	equipme P/up 1 1 1 psi. Open we section.	nt. BOP's, lubricator. 1/16" weight bars. equa	ety meeting with wireline crev lized Well head pressure. Tb D @ 8585', FC @ 8611', Tota	g @ 660 psi, Csg @ 1850
11:00	1.50	12:30	TRIP	Tripping	Pooh with surface.	h weight bars. Added a	nd re-callipered PBMS/GR/C	CL/TEMP Logging tool on
12:30	1.00	13:30	TRIP	Tripping	RIH with communi	PBMS/GR/CCL/TEMP cation. PBMS working	logging tools. Stopped @ 647 good. Started production log.	70' check tool
13:30	6.00	19:30	LOGG	Logging	133', 166 went unn up with th well start formation Repeated 166', 200	c', 200', fpm. Made 6 St. oticed by logging crew nick paraffin, Rocked ched to flow again. Produ pressure to stabilize. I d logging process agair by fpm, Made 6 station s	erent speeds from 6470' to 857 ation stops from 6470' to 857 when logging process started to a 40/64" several ction Log Data was incomple Reduced choke to 32/64" to k and Made 6 logging passes @ 3 tops from 6470' to 8579', Wel 9 MCF, Casing @ 1840 psi, 1	9'. Well stop flowing and d. Well head choke plugged I times, unplugged choke, te. Had to wait on eep well flowing good. 3 different speeds @ 133', Il flowing @ 11 bbls oil per
19:30	0.75	20:15	SRIG	Rig Up/Down		h E-line and logging too ng tools. RDMO SLB w	ols. Secured logging tools aborine line off location.	ove upper master valve.

Continued to flow well throughout out the night, on a 26/64" choke.

www.peloton.com Page 1/1 Report Printed: 3/5/2012



Form 3160-4 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BURFAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0137 Expires: July 31, 2010

			ROKEVO	UF L	ו שאי	MANAG	emen	ł I					- 1		-		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
	WELL C	OMPL	ETION O	R RE	COM	PLETIC	ON RI	EPOR	RT A	AND L	OG		Ī	5. Lc 20	ase Serial OG00056	No. 08			
la. Typc of	Well 🔀	Oil Well	Gas V	Vell	Dr.	y 🗖 🤆	ther							6. lf l	Indian, All	otice o	Tribe	Name	
b. Type of	Completion	⊠ N Othe		☐ Worl	k Over		cepen	O P	'lug	Back	□ Di	ff. Re		7. Un	it or CA	lgreem	ent Na	ne and N	No.
2. Name of BILL BA	Operator ARRETT CO	RPORA	TION E-	Mail: m		Contact: M				N					ase Name 32D-36 E		eli No.		*******
	1099 18TH DENVER,	STREE	T SUITE 2				3a.		No.	(include 9949	area c	ode)		9. AI	I Well No	١.	43-0	13-507	56
4. Location	of Well (Rep	ort locati		d in acc	ordance	e with Fed	eral req	uireme	nts)'						ield and P		Explor	atory	
At surfac	ce SWNW	1800FN	IL 607FWL Sec	32 T6S	R6W	Mer UBN	1						f	11 8	ec., T., R., Area Se	M. or	Block 38 R6	and Sur	vey
		32 T6S	elow SWN R6W Mer U 2FNL 831FW	BM	4FNL	816FWL							f	12. C	County or F UCHESN	arish		State	
14. Date Sp	At total depth SWNW 2042FNL 831FWL 4. Date Spudded 11/25/2011 15. Date T.D. Reached 01/02/2012 16. Date Completed □ D & A ☑ Ready to Prod. 01/26/2012										xd.		levations		B, RT,	GL)*			
18. Total D	epth:	MD	8701 8594	1	19. P	lug Back T	Г.D.:	MD TVI	,	98	11 37 <i>8</i> 5	200	20. Dep	h Brid	ige Plug S	et:	MD TVD	*	
21. Type El	ectric & Othe	TVD r Mecha	nical Logs Ru	ın (Subr	nit cop	y of each)		1 4 1	<u> </u>	معقد	22. V	/as w	ell cored	?	No No	☐ Ye		nit analy nit analy	sis)
	RIPLE COM												ST run? onal Sur	vey?	No No	Ye Ye	s (Subr s (Subr	nn analy nit analy	sis)
23. Casing an	d Liner Reco	rd (Repo	rt all strings				la.	-			601		St.				ī		
Hole Size	Size/Gr	ade	Wt. (#/fL)	To; (ME		Bottom (MD)		Cemer Depth	nter	No. o	f Sks. of Cem	. 1	Siurry (BB)		Cement		├	nount Pu	illed
26.000		COND	65.0		0 80				80			655		286		0			
12.250 8.750	12.250 9.625 J-55 36.0 8.750 5.500 P-110 17.0				0	251: 870:	_		508 701			290		445	· · · · · · · · · · · · · · · · · · ·	1686			15000
	0.00	9.7-1.10							Ĭ										
						_		· · ·		_		<u>-</u>					—		·
24. Tubing	Danard	·					ــــــــــــــــــــــــــــــــــــــ							-		-	<u> </u>		
	Depth Set (M	(D) P	acker Depth	MD)	Size	Dep	th Set (MD)	Pa	cker De	pth (M	o) T	Size	De	pth Set (M	(D)	Packe	r Depth ((MD)
2.875	6	404																	***
25. Producir	<u> </u>			Т			. Perío					_	n'	٠,	la IIalaa		Don	Ctatura	
	ormation	WED	Тор	C40E	Botte	7317		Perfora	ted I	nterval 6485 T	O 731	╬	Size 0.44	_	√o. Holes 15/	OPE		Status	
A) B)	GREEN RI WASA			6485 7342		8536		-		7342 T		_	0.44			OPE	_		
C)					* .							I							
D)												丄				<u> </u>			
	racture, Treat		ment Squeeze	Etc.					_	nount and		-614	-Andal		<u></u>	_	-		
	Depth Interva		317 GREEN	RIVER:	SFE 3	REATME	NT STA	GES 7		nount san	u i ype	OI IVI	acci iai		***				*********
	73	42 TO 8	536 WASAT	CH: SE	E TRE	ATMENT S	TAGES	1-6											
30 Bendant	ion - Interval	Α.																	
Date First	Test	Hours	Test	Oil	G	85	Water	ŀ	Dil Go	svity		Jas	ı	Product	on Method				
Produced	Date	Tested 24	Production	BBL 428.		694.0	881. 1342		Corr. /	1PI 52.0	ľ	Inavity			FLO	WS FR	OM W	ELL.	
01/28/2012 Choke	01/27/2012 Tbg. Press.	Csg.	24 Hr.	Oil	G	as	Water	- 1	bs:0		 	Well St	ntus					* **	
Size 26/64	Flwg. 599 SI	Press. 998.0	Rate	BBL 428		ICF 594	BBI. 134		Ratio	1388		p	GW			_	—		
	tion - Interva	<u> </u>		1 ,,,,,											ĺ	1E	JE	VE	0
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	G M	ias ICF	Water BBL		Oil Gr Corr. A			Ges Gravity		Product	ton Method	MAR) 1 5	2012	
Ob all	-	Gra	2632	02	4	as	Water		Gas:O	11		Well St	atus.			9-65-61	٠ ' و	2014	<u></u>
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oii BBL		ICF	BBL.		Ratio	-]	**********			DIV. ()F OI	L GA	S&M	INING

	ction - Interve	Hours	Test	Ort	Gas		Oil Gravity	ÇAL		Production Method			
First seed	Test Date	Tested	Production	B81.	MCF		Corr. APi	Gravity					
e	Thg. Press Flv-g.	CSE Press.	24 Hz Rate	O:I BBL	Gos MCF	Water BBL	Cies Oil Ratio	Well St	etut.				
c Produ	action - Interv	al D		<u> </u>	L	.1							
First	Test	Hours	Tot	Oil	Gas	Water	Oil Gravity Corr. API	Gas		Production Method			
uced	Date	Tested	Production —	8B1.	MCF	BRI.	Gas Oil	Weli St					
e	The Press Flwg. Sl	Cag Press	24 Hr. Rate	Oil BRL	Gas MCF	Water BBL	Ratio						
Dispo	sition of Gas(S	Sold, used	for fuel, ven	ed, etc.)									
. Sumn	ary of Porous	Zones (In	clude Aquife	rs):					31, Fo	rmation (Log) Markers			
tests.	all important including dept coveries.	zones of po h interval	prosity and colors tested, cushing	ontents ther on used, tim	eof: Cored i e tool open,	ntervals and a flowing and s	Il drill-stem thut-m pressures						
***************************************	Formation		Тор	Bottom		Description	is, Contents, etc			Name	Meas	rop s. De	
1/26	ittonal remark C was calcula 1/2012. First ched is Trea	OII SAIGS \	Nas on 1/40	ocdure); siled due to 3/2012. Co	o file size. nductor wa	First gas sale as cemented	es was on with grout		M D Bi C	REEN RIVER AHOGANY DUGLAS CREEK LACK SHALE ASTLE PEAK TELAND BUTTE ASATCH)	3 5 6 6	677 401 648 648 630 630 637 637 637 637 637 637	
33 Cirr	le enclosed at	tachments:							<u> </u>				
	Electrical/Mec			req'd.)		2. Geologic	Report		DST		Directional Su	irvey	
5. 5	Sundry Notice	for pluggi	ng and come	nt verificati		6. Core An	•		Other:		and the second second		
34. I ho	reby certify th	at the fore	going and at Ele	- A I- Cosh	inaina #1	331NO Veritie	ORATION, se	at to the V	ernal		instructions):		
Na	mc (please pri	ni) <u>MEGA</u>	N FINNEG	AN	f:	•	Title	PERMIT A	NALY	SI			
Sig	mature	E	ou Com	sion.	<u> </u>	₩.) Date	03/15/201	12				
		•				_							

5-32D-36 BTR Completion Report Continued*

	44. ACID, I	FRACTURE, TREATMENT,	CEMENT SQUEEZE, ETC.	(cont.)
		AMOUNT AND TYPE	OF MATERIAL	
<u>Stage</u>	BBLS Slurry	lbs 20/40 White Sand	lbs 100 Mesh Sand	lbs CRC Sand
1	3,507			156,800
2	3,670			169,900
3	3.481	71840		159.900
4	4,068			174,900
5	3,385	152,000	4,500	
6	3,698	146,600	19,000	
7	3,876	166,800	20,100	
8	3,562	156,500	19,000	
9	1,899	6,000	16,100	

^{*}Depth intervals for frac information same as perforation record intervals.

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DIV. OF OIL, GAS & MINING

Bill Barrett Corp

Duchesne County, UT (NAD 1927) Sec. 32-T3S-R6W 5-32D-36 BTR

Plan B Rev 1

Survey: Sperry MWD Surveys

Sperry Drilling ServicesStandard Report

30 January, 2012

Well Coordinates: 673,438.65 N, 2,253,265.46 E (40° 10' 43.50" N, 110° 35' 36.86" W)

Ground Level: 6,459.00 ft

Local Coordinate Origin:Centered on Well 5-32D-36 BTRViewing Datum:RKB 16 @ 6475.00ft (Patterson 506)TVDs to System:NNorth Reference:TrueUnit System:API - US Survey Feet - Custom

Geodetic Scale Factor Applied Version: 2003.16 Build: 43I

RECEIVED

MAR 1 5 2012

DIV. OF OIL, GAS & MINING

HALLIBURTON

Survey Report for 5-32D-36 BTR - Sperry MWD Surveys

Tie-On 191.00 0.50 237.15 101.00 -0.24 -0.37 -0.12 0.50 First MWD Survey 251.00 0.81 225.78 160.99 -1.26 -1.47 -1.77 -1.77 -1.77 -1.77 -1.77 -1.77 -1.77 -1.77 -1.77 -1.77 -1.77 -1.78 -1	Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
THEOD 191.00 0.50 237.15 101.00 -0.24 -0.37 -0.12 0.50 First MWO Survey 251.00 0.81 225.78 160.99 -0.68 -0.89 -0.22 0.56 313.00 0.71 223.02 222.99 -1.26 -1.47 -0.27 0.17 375.00 0.34 187.25 284.99 -1.73 -1.76 -0.17 0.77 437.00 0.34 145.03 346.99 -2.06 -1.67 0.17 0.77 437.00 0.34 145.03 346.99 -2.06 -1.67 0.10 0.40 488.00 0.31 178.98 407.98 -2.37 -1.57 0.40 0.31 585.00 0.54 154.65 467.98 -2.79 -1.44 0.76 0.48 619.00 0.71 121.91 528.98 -3.25 -1.00 1.40 0.64 680.00 0.45 129.08 589.98 -3.60 -0.49 2.01 0.44 741.00 0.81 104.83 650.97 -3.83 0.01 2.54 802.00 0.60 134.27 771.97 -4.14 0.55 3.15 0.61 835.00 0.60 179.90 777.297 -4.68 0.90 3.76 0.40 923.00 0.81 178.85 832.96 -5.37 1.03 4.32 0.55 987.00 1.17 188.76 896.95 -6.47 0.94 4.98 0.02 1.050.00 1.12 159.14 895.94 -7.68 1.06 5.88 0.02 1.150.00 1.12 159.14 959.94 -7.68 1.06 5.88 0.02 1.150.00 1.12 159.14 959.94 1.027 2.05 8.33 0.55 1.171.00 1.13 162.53 1.022.93 -8.86 1.54 7.01 0.14 1.177.00 1.51 162.93 1.086.91 -1.027 2.05 8.33 0.55 1.240.00 1.43 162.55 1.149.99 -1.182 2.53 9.71 0.13 1.304.00 1.52 161.70 1.213.87 -13.38 3.03 11.13 0.14 1.367.00 0.71 146.22 1.276.86 -14.60 3.91 1.19 1.03 1.19 185.53 1.022.93 -8.86 1.54 7.01 0.14 1.367.00 0.71 146.22 1.276.86 -14.60 3.91 1.19 1.03 1.19 1.50 1.03 1.33 1.340.85 -15.67 4.27 1.350 0.51 1.588.00 0.60 159.97 1.407.85 -15.67 4.27 1.350 0.66 1.520.00 0.80 1.74 146.22 1.276.86 -14.60 3.91 1.91 1.91 1.91 1.91 1.91 1.91 1.91	90.00			0.00				
Pirst MWO Survey					2.00	5.55	0.00	0.00
### ### ### ### ### ### ### ### ### ##	191.00	0.50	237.15	101.00	-0.24	-0.37	-0.12	0.50
313.00 0.71 223.02 222.99 -1.28 -1.47 -0.27 0.17 375.00 0.34 187.25 284.99 -1.73 -1.76 -0.17 0.77 437.00 0.34 187.25 284.99 -1.73 -1.76 -0.17 0.77 437.00 0.34 145.03 346.99 -2.06 -1.67 0.11 0.40 498.00 0.31 178.98 407.98 -2.37 -1.57 0.40 0.31 588.00 0.54 154.65 467.98 -2.79 -1.44 0.75 0.48 619.00 0.71 121.91 528.98 -3.25 -1.00 1.40 0.64 680.00 0.45 129.08 589.98 -3.60 -0.49 2.01 0.44 741.00 0.61 104.63 650.97 -3.38 0.01 2.54 0.45 802.00 0.60 134.27 711.97 -4.14 0.55 3.15 0.61 883.00 0.60 137.90 772.97 -4.66 0.99 3.76 0.40 923.00 0.81 178.85 832.96 -5.37 1.03 4.32 0.55 987.00 1.17 188.76 896.95 -6.47 0.94 4.98 0.62 1.050.00 1.12 159.14 959.94 -7.68 1.06 5.88 0.93 1.113.00 1.19 156.53 1.082.93 -8.86 1.54 7.01 0.14 1.177.00 1.51 162.93 1.086.91 -10.27 2.05 8.33 0.55 1.240.00 1.43 162.55 1.148.89 -11.82 2.55 9.71 0.13 1.304.00 1.52 161.70 1.213.87 -13.38 3.03 11.13 0.14 1.367.00 0.71 146.22 1.276.86 1.45.00 3.51 12.23 1.36 1.431.00 0.67 160.81 1.403.85 -15.57 4.27 13.50 0.61 1.621.00 0.87 128.91 13.41 1.403.85 -15.57 4.27 13.50 0.61 1.621.00 0.87 224.82 1.05.84 1.16.65 3.57 13.70 0.86 1.748.00 0.67 160.81 1.403.85 -15.57 4.27 13.50 0.61 1.621.00 0.87 224.82 1.05.84 1.16.65 3.57 13.70 0.86 1.748.00 0.67 160.81 1.403.85 -15.57 4.27 13.50 0.61 1.621.00 0.87 224.82 1.578.86 -14.65 3.57 13.70 0.86 1.748.00 0.67 160.81 1.403.85 -15.57 4.27 13.50 0.61 1.621.00 0.87 224.82 1.578.86 -14.67.85 -16.25 4.28 13.96 0.68 1.748.00 0.67 160.81 1.403.85 -15.57 4.27 13.50 0.61 1.858.00 0.60 133.60 1.774.77 -22.97 1.99 1.66.90 0.68 1.748.00 0.67 13.60 2.20.777 -22.47 1.99 1.66.90 0.62 1.930.00 0.80 155.55 1.910.77 -22.33 1.56 15.94 1.49 2.065.00 0.80 13.60 1.774.81 1.19.88 1.56 1.41.2 0.18 1.393.00 0.80 1.55.55 1.910.77 -22.33 1.56 15.94 1.34 1.894.00 0.67 13.60 2.248.81 1.99.88 1.56 1.41.2 0.18 1.393.00 0.80 1.55.55 1.910.77 -22.33 1.56 15.94 1.34 2.900.00 0.80 155.55 1.910.77 -22.33 1.56 15.94 1.34 2.900.00 0.80 155.55 1.910.77 -22.33 1.56 15.94 1.34 2.900.00 0.80 136.89 71.877.79 -22.97 1.99 1.66.90 0.62 2.1280.00 0.80 136.89 71.87	First MWD S	Survey					•••	0.00
313.00 0.71 223.02 222.99 -1.26 -1.47 -0.27 0.17 375.00 0.34 187.25 284.99 -1.73 -1.76 -0.17 0.77 437.00 0.34 145.03 346.99 -2.06 -1.67 0.11 0.40 498.00 0.31 178.98 407.98 -2.37 -1.57 0.40 0.31 658.00 0.54 154.65 467.98 -2.37 -1.67 0.40 0.31 658.00 0.54 154.65 467.98 -2.37 -1.67 0.40 0.51 680.00 0.71 121.91 528.98 -3.25 -1.00 1.40 0.64 680.00 0.45 129.08 589.98 -3.60 -0.49 2.01 0.44 0.64 680.00 0.45 129.08 589.98 -3.60 -0.49 2.01 0.44 0.45 802.00 0.60 134.27 711.97 -4.14 0.55 3.15 0.51 803.00 0.60 137.90 772.97 -4.66 0.99 3.76 0.40 923.00 0.81 178.85 832.96 -5.37 1.03 4.32 0.55 987.00 1.17 188.76 896.95 -6.47 0.94 4.98 0.62 1.050.00 1.12 159.14 959.94 -7.68 1.06 5.88 0.03 1.113.00 1.19 156.53 1.089.91 -1.027 2.05 8.33 0.55 1.240.00 1.45 162.93 1.089.91 -1.027 2.05 8.33 1.113.00 1.19 156.53 1.089.91 -1.027 2.05 8.33 0.55 1.240.00 1.46 162.2 1.276.86 -1.450 3.94 1.122 2.55 9.71 0.13 1.304.00 1.52 161.70 1.213.87 -13.38 3.03 11.13 0.14 1.367.00 0.71 146.22 1.276.86 -1.450 3.94 1.122 2.55 9.71 0.13 1.304.00 0.67 160.81 1.403.85 -15.57 4.27 13.50 0.51 1.350 0.62 198.97 1.467.85 -15.57 4.27 13.50 0.51 1.588.00 0.62 198.97 1.457.85 -15.50 3.99 1.39 1.14 1.49 0.067 160.81 1.403.85 -15.57 4.27 13.50 0.51 1.540.00 0.67 160.81 1.403.85 -15.57 4.27 13.50 0.51 1.540.00 0.87 224.82 1.657.84 -17.22 2.98 13.63 1.494.00 0.67 160.81 1.403.85 -15.57 4.27 13.50 0.51 1.588.00 0.60 2.28.10 1.593.84 -16.50 3.99 13.91 1.14 1.14 1.99.32 1.720.82 1.720.82 -18.24 2.27 13.50 0.51 1.593.84 1.547.00 1.34 1.393.00 1.55 1.53 0.477.77 -22.97 1.99 1.66.69 0.52 1.275.80 0.50 1.374.77 -22.97 1.99 1.66.69 0.52 1.275.80 0.50 1.374.77 -22.97 1.99 1.66.69 0.52 1.275.3 2.164.76 -24.83 3.00 1.86 9.179.477 -22.97 1.99 1.66.69 0.52 1.275.3 2.164.76 -24.83 3.00 1.86 9.179.477 -22.97 1.99 1.66.69 0.52 1.275.3 2.164.76 -24.83 3.00 1.86 9.179.477 -22.97 1.99 1.66.69 0.52 1.275.00 0.57 1.530.84 1.99.59 1.550.00 1.30 0.50 1.374.77 -22.97 1.99 1.66.69 0.52 1.275.00 0.56 1.364.70 1.374.77 -22.97 1.99 1.66.69 0.52 1.275.00 0.57 1.362.0 1.277.77 -22.37 1.50 0.58 1	251.00	0.81	225.78	160.99	-0.68	-0.89	-0.22	0.56
375.00 0.34 187.25 284.99 -1.73 -1,76 -0.17 0.77 437.00 0.34 145.03 346.99 -2.06 -1.67 0.11 0.40 498.00 0.31 178.98 407.98 -2.279 -1.44 0.76 0.48 619.00 0.71 121.91 528.98 -3.25 -1.00 1.40 0.64 680.00 0.45 129.08 589.98 -3.60 -0.49 2.01 0.44 741.00 0.61 104.63 650.97 -3.83 0.01 2.54 0.45 802.00 0.60 134.27 711.97 -4.14 0.55 3.15 0.61 863.00 0.60 157.90 772.97 -4.66 0.90 3.76 0.40 923.00 0.81 178.85 832.96 -5.37 1.03 4.32 0.55 987.00 1.17 188.76 896.95 -6.47 0.94 4.98 0.62	313.00	0.71	223.02					
437.00 0.34 145.03 346.99 -2.06 -1.67 0.11 0.40 498.00 0.31 178.98 407.98 -2.37 -1.57 0.40 0.31 558.00 0.54 154.65 467.98 -2.37 -1.57 0.40 0.31 558.00 0.54 154.65 467.98 -2.37 -1.57 0.40 0.31 658.00 0.54 154.65 467.98 -2.79 -1.44 0.76 0.48 619.00 0.71 121.91 528.98 -3.25 -1.00 1.40 0.64 680.00 0.45 129.08 589.98 -3.60 -0.49 2.01 0.44 741.00 0.61 104.63 659.97 -3.83 0.01 2.54 0.45 802.00 0.60 134.27 711.97 -4.14 0.55 3.15 0.51 883.00 0.60 157.90 772.97 -4.66 0.90 3.76 0.49 2.01 0.40 923.00 0.81 178.85 832.96 -5.37 1.03 4.32 0.65 987.00 1.17 188.76 896.95 -6.47 0.94 4.98 0.62 1.050.00 1.12 159.14 959.94 -7.68 1.06 5.88 0.93 1.113.00 1.19 156.53 1.022.93 -8.85 1.54 7.01 0.14 1.177.00 1.51 162.93 1.086.91 -10.27 2.05 8.33 0.05 1.240.00 1.46 152.25 11.49.89 -11.82 2.55 9.71 0.13 1.304.00 1.52 161.70 1.213.87 -13.38 3.03 11.13 0.14 1.66.00 1.52 161.70 1.213.87 -13.38 3.03 11.13 0.14 1.66.00 0.07 1 146.22 1.276.86 -14.60 3.51 12.23 13.96 1.464.00 0.67 160.81 1.403.85 -15.67 4.27 13.50 0.65 14.67 0.94 13.91 1.14 1.90 0.57 1.53 8.4 1.403.85 -15.67 4.27 13.50 0.51 1.55 0.00 0.00 228.10 1.593.84 -16.50 3.99 13.91 1.14 1.14 1.14 1.14 1.14 1.14 1.20 1.14 1.20 1.21 1.27 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20	375.00	0.34	187.25	284.99				
498.00 0.31 178.98 407.98 -2.37 -1.57 0.40 0.31 558.00 0.54 154.65 467.98 -2.79 -1.44 0.76 0.48 619.00 0.71 121.91 528.98 -3.25 -1.00 1.40 0.64 680.00 0.45 129.08 589.98 -3.60 -0.49 2.01 0.44 741.00 0.61 104.63 650.97 -3.83 0.01 2.54 0.45 802.00 0.60 157.90 772.97 -4.66 0.90 3.76 0.40 923.00 0.81 178.85 896.95 -6.47 0.94 4.98 0.62 1.050.00 1.12 159.14 95.94 -7.68 1.06 5.88 0.93 1.130.00 1.12 159.14 95.94 -7.68 1.66 5.88 0.93 1.142.00 1.12 159.14 95.94 -7.68 1.06 5.88 0.93	427.00	0.24	145.00					
558.00 0.54 154.65 467.98 -2.79 -1.44 0.76 0.48 619.00 0.71 121.91 528.98 -3.26 -1.00 1.40 0.64 680.00 0.45 129.08 589.98 -3.60 -0.49 2.01 0.44 741.00 0.61 104.63 650.97 -3.83 0.01 2.54 0.45 802.00 0.60 134.27 711.97 -4.14 0.55 3.15 0.51 803.00 0.60 157.90 772.97 -4.66 0.90 3.76 0.40 923.00 0.81 178.85 832.96 -5.37 1.03 4.32 0.55 987.00 1.17 188.76 896.95 -6.47 0.94 4.98 0.62 1,050.00 1.12 159.14 959.94 -7.68 1.06 5.88 0.93 1,113.00 1.19 156.53 1,022.93 -8.86 1.54 7.01 0.14								
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741.00								
802.00 0.60 134.27 711.97 -4.14 0.55 3.15 0.51 863.00 0.60 157.90 772.97 -4.66 0.90 3.76 0.40 923.00 0.81 178.85 832.96 -5.37 1.03 4.32 0.55 987.00 1.17 188.76 896.95 -6.47 0.94 4.98 0.62 1,050.00 1.12 159.14 959.94 -7.68 1.06 5.88 0.93 1,113.00 1.19 156.53 1,022.93 -8.86 1.54 7.01 0.14 1,177.00 1.51 162.93 1,086.91 -10.27 2.05 8.33 0.55 1,240.00 1.43 162.55 1,149.89 -11.82 2.53 9.71 0.13 1,304.00 1.52 161.70 1,213.87 -13.38 3.03 11.13 1,340.00 0.51 146.22 1,276.86 -14.50 3.51 12.23 1.36 <					-3.60	-0.49	2.01	0.44
863.00 0.60 157.90 772.97 -4.66 0.90 3.76 0.40 923.00 0.81 178.85 892.96 -5.37 1.03 4.32 0.55 987.00 1.17 188.76 896.95 -6.47 0.94 4.98 0.62 1,050.00 1.12 159.14 959.94 -7.68 1.06 5.88 0.93 1,113.00 1.19 156.53 1,022.93 -8.86 1.54 7.01 0.14 1,177.00 1.51 162.93 1,086.91 -10.27 2.05 8.33 0.55 1,240.00 1.43 162.55 1,149.89 -11.82 2.53 9.71 0.13 1,304.00 1.52 161.70 1,213.87 -13.38 3.03 11.13 0.14 1,367.00 0.71 146.22 1,276.86 -14.50 3.51 12.23 1.36 1,431.00 0.51 133.13 1,340.85 -15.57 4.27 13.50 0.51							2.54	0.45
923.00 0.81 178.85 832.96 -5.37 1.03 4.32 0.55 987.00 1.17 188.76 896.95 -6.47 0.94 4.98 0.62 1.050.00 1.17 188.76 896.95 -6.47 0.94 4.98 0.62 1.050.00 1.12 159.14 959.94 -7.68 1.06 5.88 0.93 1.113.00 1.19 156.53 1.022.93 -8.86 1.54 7.01 0.14 1.177.00 1.51 162.93 1.086.91 -10.27 2.05 8.33 0.55 1.240.00 1.43 162.55 1.149.89 -11.82 2.53 9.71 0.13 1.304.00 1.52 161.70 1.213.87 -13.38 3.03 1.113 0.14 1.367.00 0.71 146.22 1.276.86 -14.50 3.51 12.23 1.36 1.431.00 0.51 133.13 1.340.85 -15.03 3.94 12.90 0.38 1.494.00 0.67 160.81 1.403.85 -15.57 4.27 13.50 0.51 1.558.00 0.62 198.97 1.467.85 -16.25 4.28 13.96 0.66 1.621.00 0.34 291.57 1.530.84 -16.50 3.99 13.91 1.14 1.684.00 0.60 228.10 1.593.84 -16.50 3.99 13.91 1.14 1.684.00 0.60 228.10 1.593.84 -16.65 3.57 13.70 0.86 1.748.00 0.87 224.82 1.657.84 -17.22 2.98 13.63 0.43 1.811.00 1.41 209.32 1.720.82 -18.24 2.27 13.76 0.98 1.875.00 1.32 206.10 1.784.81 -19.58 1.56 14.12 0.18 1.938.00 1.55 175.50 1.347.79 -21.09 1.31 14.93 1.26 2.001.00 0.80 155.55 1.910.77 -22.33 1.56 14.12 0.18 1.938.00 1.55 175.50 1.910.77 -22.33 1.56 14.12 0.18 1.938.00 0.57 136.62 2.037.77 -22.43 2.44 17.33 0.07 2.192.00 0.85 176.71 2.101.76 -24.13 2.69 1.798 0.66 0.52 2.182.00 0.57 136.62 2.037.77 -22.43 2.44 17.33 0.07 2.192.00 0.85 176.71 2.101.76 -24.13 2.69 1.798 0.86 2.255.00 0.69 127.53 2.164.76 -24.83 3.01 18.69 1.04 2.255.00 0.69 127.53 2.164.76 -24.83 3.01 18.69 0.52 2.182.00 0.57 136.62 2.037.77 -23.43 2.44 17.33 0.07 2.192.00 0.85 176.71 2.101.76 -24.13 2.69 1.798 0.86 2.255.00 0.69 127.53 2.164.76 -24.83 3.01 18.69 1.04 2.255.00 0.69 127.53 2.164.76 -24.83 3.01 18.69 0.52 2.182.00 0.57 136.62 2.037.77 -23.43 2.44 17.33 2.01 18.69 1.04 2.255.00 0.69 127.53 2.164.76 -24.83 3.01 18.69 0.52 2.182.00 0.57 136.62 2.037.77 -23.43 2.44 17.33 2.01 18.69 0.52 2.182.00 0.57 136.62 2.037.77 -23.43 2.44 17.33 2.01 18.69 0.52 2.182.00 0.57 136.62 2.037.77 -23.43 2.44 17.33 2.51 1.44 2.251.00 0.55 136.60 2.337.70 2.24.80 0.66 3.255.72 2.793 4.22 2.06 0.06 0.79 2.446.00 1.67 173.64 2.355.72 2.793 4.22						0.55	3.15	0.51
987.00 1.17 188.76 896.95 -6.47 0.94 4.98 0.62 1,050.00 1.17 188.76 896.95 -6.47 0.94 4.98 0.62 1,050.00 1.12 159.14 959.94 -7.68 1.06 5.88 0.93 1,113.00 1.19 156.53 1,022.93 -8.86 1.54 7.01 0.14 1,177.00 1.51 162.93 1,086.91 -10.27 2.05 8.33 0.55 1,240.00 1.43 162.55 1,149.89 -11.82 2.53 9.71 0.13 1,304.00 1.52 161.70 1,213.87 -13.38 3.03 11.13 0.14 1,367.00 0.71 146.22 1,276.86 -14.50 3.51 1.223 1.36 1,431.00 0.51 133.13 1,340.85 -15.03 3.94 12.90 0.38 1,494.00 0.67 160.81 1,403.85 -15.57 4.27 13.50 0.51 1,558.00 0.62 198.97 1,467.85 -16.25 4.28 13.96 0.66 1,621.00 0.34 291.57 1,530.84 -16.65 3.99 13.91 1.14 1,684.00 0.60 228.10 1,593.84 -16.65 3.57 13.70 0.86 1,748.00 0.87 224.82 1,657.84 -17.22 2.98 13.63 0.43 1,811.00 1.41 209.32 1,720.82 -18.24 2.27 13.76 0.98 1,875.00 1.32 206.10 1,784.81 -19.58 1.56 14.12 0.18 1,938.00 1.55 175.30 1,847.79 -21.09 1.31 14.93 1,26 2.001.00 0.80 15.55 1,910.77 -22.33 1.56 14.12 0.18 1,938.00 1.55 175.30 1,847.79 -21.09 1.31 14.93 1,26 2.055.00 0.69 127.53 2,164.76 -24.83 3.01 1.56 17.98 0.86 2.255.00 0.69 127.53 2,164.76 -24.83 3.01 1.56 17.98 0.86 2.255.00 0.69 127.53 2,164.76 -24.83 3.01 1.56 17.98 0.86 2.255.00 0.69 127.53 2,164.76 -24.83 3.01 1.56 17.98 0.86 2.255.00 0.89 13.64 2.227.75 -25.42 3.65 19.55 0.37 2.382.00 1.16 180.97 2.291.74 -26.39 4.21 2.061 0.79 2.460.00 1.25 182.75 2.520.64 -33.19 4.31 25.19 1.45 2.69 17.98 0.86 2.255.00 0.89 136.48 2.227.75 -25.42 3.65 19.55 0.37 2.382.00 1.16 180.97 2.291.74 -26.39 4.21 2.061 0.79 2.460.00 1.25 182.75 2.520.64 -33.19 4.31 2.51 9 1.45 2.69 17.98 0.86 2.255.00 0.69 127.53 2.164.76 -24.83 3.01 4.31 2.51 9 1.45 2.69 17.98 0.86 2.255.00 0.50 127.53 2.164.76 -24.83 3.01 4.31 2.51 9 1.45 2.260 0.45 1.25 182.75 2.520.64 -33.19 4.31 2.51 9 1.45 2.69 17.98 0.86 2.255.00 0.50 1.16 180.97 2.291.74 -26.39 4.21 2.061 0.79 2.460.00 1.25 182.75 2.520.64 -33.19 4.31 2.51 9 1.45 2.69 1.79 2.280 0.31 1.65 182.75 2.520.64 -33.19 4.31 2.51 9 1.45 2.69 1.79 2.280 0.31 1.65 182.75 2.520.64 -33.19 4.31 2.51 9 1.45 2.69 1.79 2.280 0.31 1.65								0.40
1,050.00				832.96	- 5.37	1.03	4.32	0.55
1,113.00	987.00	1.17	188.76	896.95	-6.47	0.94	4.98	0.62
1,113.00 1.19 156.53 1,022.93 -8.86 1.54 7.01 0.14 1,177.00 1.51 162.93 1,086.91 -10.27 2.05 8.33 0.55 1,240.00 1.43 162.55 1,149.89 -11.82 2.53 9.71 0.13 1,304.00 1.52 161.70 1,213.87 -13.38 3.03 11.13 0.14 1,367.00 0.71 146.22 1,276.86 -14.50 3.51 12.23 1.36 1,431.00 0.51 133.13 1,340.85 -15.67 4.27 13.50 0.51 1,558.00 0.62 198.97 1,467.85 -16.25 4.28 13.96 0.66 1,621.00 0.34 291.57 1,530.84 -16.50 3.99 13.91 1.14 1,684.00 0.60 228.10 1,593.84 -16.65 3.57 13.70 0.86 1,748.00 0.87 224.82 1,567.84 -17.22 2.98 13.63 0.43 1,811.00 1.41 209.32 1,720.82 -18.24 <td>1,050.00</td> <td>1.12</td> <td>159.14</td> <td>959.94</td> <td>-7.68</td> <td>1.06</td> <td>5.88</td> <td>0.93</td>	1,050.00	1.12	159.14	959.94	-7.68	1.06	5.88	0.93
1,177.00 1.51 162.93 1,086.91 -10.27 2.05 8.33 0.55 1,240.00 1.43 162.55 1,149.89 -11.82 2.53 9.71 0.13 1,304.00 1.52 161.70 1,213.87 -13.38 3.03 11.13 0.14 1,367.00 0.71 146.22 1,276.86 -14.50 3.51 12.23 1.36 1,431.00 0.51 133.13 1,340.85 -15.03 3.94 12.90 0.38 1,494.00 0.67 160.81 1,467.85 -16.57 4.27 13.50 0.51 1,558.00 0.62 198.97 1,467.85 -16.25 4.28 13.96 0.66 1,621.00 0.34 291.57 1,530.84 -16.65 3.57 13.70 0.86 1,748.00 0.87 224.82 1,657.84 -17.22 2.98 13.63 0.43 1,875.00 1.32 206.10 1,784.81 -19.58 1.56 14.12 0.18 1,938.00 1.55 175.30 1,847.79 -21.09<	1,113.00	1.19	156.53					
1,240.00 1,43 162.55 1,149.89 -11.82 2,53 9,71 0,13 1,304.00 1,52 161.70 1,213.87 -13.38 3,03 11.13 0,14 1,367.00 0.71 146.22 1,276.86 -14.50 3,51 12.23 1,36 1,431.00 0.51 133.13 1,340.85 -15.03 3,94 12.90 0,38 1,494.00 0.67 160.81 1,403.85 -15.03 3,94 12.90 0,38 1,558.00 0.62 198.97 1,467.85 -16.55 4,28 13.96 0,66 1,621.00 0.34 291.57 1,530.84 -16.50 3,99 13.91 1,14 1,684.00 0.60 228.10 1,593.84 -16.65 3,57 13.70 0.86 1,748.00 0.87 224.82 1,657.84 -17.22 2,98 13.63 0.43 1,875.00 1.32 206.10 1,784.81 -19.58 1.56 14.12 0,18 1,938.00 1.55 175.30 1,847.79 -21.09	1,177.00	1.51	162.93					
1,304.00 1.52 161.70 1,213.87 -13.38 3.03 11.13 0.14 1,367.00 0.71 146.22 1,276.86 -14.50 3.51 12.23 1,36 1,431.00 0.51 133.13 1,340.85 -15.03 3.94 12.90 0.38 1,494.00 0.67 160.81 1,403.85 -15.57 4.27 13.50 0.51 1,558.00 0.62 198.97 1,467.85 -16.55 4.28 13.96 0.66 1,621.00 0.34 291.57 1,530.84 -16.50 3.99 13.91 1.14 1,684.00 0.60 228.10 1,593.84 -16.65 3.57 13.70 0.86 1,748.00 0.87 224.82 1,657.84 -17.22 2.98 13.63 0.43 1,811.00 1.41 209.32 1,720.82 -18.24 2.27 13.76 0.98 1,875.00 1.32 206.10 1,784.81 -19.58 1.56 14.12 0.18 1,938.00 1.55 175.30 1,847.79 -21.0	1,240.00		162.55					
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2,065.00 0.60 133.60 1,974.77 -22.97 1.99 16.69 0.52 2,128.00 0.57 136.62 2,037.77 -23.43 2.44 17.33 0.07 2,192.00 0.85 176.71 2,101.76 -24.13 2.69 17.98 0.86 2,255.00 0.69 127.53 2,164.76 -24.83 3.01 18.69 1.04 2,318.00 0.89 136.48 2,227.75 -25.42 3.65 19.55 0.37 2,382.00 1.16 160.97 2,291.74 -26.39 4.21 20.61 0.79 2,446.00 1.67 173.64 2,355.72 -27.93 4.52 21.87 0.93 2,547.00 2.17 186.20 2,456.66 -31.29 4.48 24.06 0.64 2,611.00 1.25 182.75 2,520.64 -33.19 4.31 25.19 1.45 2,674.00 2.21 26.96 2,583.62 -32.80 4.83 25.32 5.38 2,737.00 2.23 50.48 2,646.58 -30.94<	2,001.00	0.80	155.55	1,910.77	-22.33	1.56	15.94	1.34
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2,255.00 0.69 127.53 2,164.76 -24.83 3.01 18.69 1.04 2,318.00 0.89 136.48 2,227.75 -25.42 3.65 19.55 0.37 2,382.00 1.16 160.97 2,291.74 -26.39 4.21 20.61 0.79 2,446.00 1.67 173.64 2,355.72 -27.93 4.52 21.87 0.93 2,547.00 2.17 186.20 2,456.66 -31.29 4.48 24.06 0.64 2,611.00 1.25 182.75 2,520.64 -33.19 4.31 25.19 1.45 2,674.00 2.21 26.96 2,583.62 -32.80 4.83 25.32 5.38 2,737.00 2.23 50.48 2,646.58 -30.94 6.33 25.21 1.44 2,801.00 2.05 65.54 2,710.53 -29.67 8.33 25.87 0.92 2,864.00 2.52 76.52 2,773.48 -28.88 10.70 27.13 1.02 2,928.00 3.15 89.71 2,837.40 -28.54 <td>2,128.00</td> <td>0.57</td> <td>136.62</td> <td>2,037.77</td> <td>-23.43</td> <td>2.44</td> <td>17.33</td> <td>0.07</td>	2,128.00	0.57	136.62	2,037.77	-23.43	2.44	17.33	0.07
2,318.00 0.89 136.48 2,227.75 -25.42 3.65 19.55 0.37 2,382.00 1.16 160.97 2,291.74 -26.39 4.21 20.61 0.79 2,446.00 1.67 173.64 2,355.72 -27.93 4.52 21.87 0.93 2,547.00 2.17 186.20 2,456.66 -31.29 4.48 24.06 0.64 2,611.00 1.25 182.75 2,520.64 -33.19 4.31 25.19 1.45 2,674.00 2.21 26.96 2,583.62 -32.80 4.83 25.32 5.38 2,737.00 2.23 50.48 2,646.58 -30.94 6.33 25.21 1.44 2,801.00 2.05 65.54 2,710.53 -29.67 8.33 25.87 0.92 2,864.00 2.52 76.52 2,773.48 -28.88 10.70 27.13 1.02 2,928.00 3.15 89.71 2,837.40 -28.54 13.83 29.25 1.41 2,991.00 4.37 99.90 2,900.27 -28.95 <td>2,192.00</td> <td>0.85</td> <td>176.71</td> <td>2,101.76</td> <td>-24.13</td> <td>2.69</td> <td>17.98</td> <td>0.86</td>	2,192.00	0.85	176.71	2,101.76	-24.13	2.69	17.98	0.86
2,382.00 1.16 160.97 2,291.74 -26.39 4.21 20.61 0.79 2,446.00 1.67 173.64 2,355.72 -27.93 4.52 21.87 0.93 2,547.00 2.17 186.20 2,456.66 -31.29 4.48 24.06 0.64 2,611.00 1.25 182.75 2,520.64 -33.19 4.31 25.19 1.45 2,674.00 2.21 26.96 2,583.62 -32.80 4.83 25.32 5.38 2,737.00 2.23 50.48 2,646.58 -30.94 6.33 25.21 1.44 2,801.00 2.05 65.54 2,710.53 -29.67 8.33 25.87 0.92 2,864.00 2.52 76.52 2,773.48 -28.88 10.70 27.13 1.02 2,928.00 3.15 89.71 2,837.40 -28.54 13.83 29.25 1.41 2,991.00 4.37 99.90 2,900.27 -28.95 17.92 32.59 2.20 3,054.00 5.02 113.37 2,963.06 -30.45 </td <td>2,255.00</td> <td>0.69</td> <td>127.53</td> <td>2,164.76</td> <td>-24.83</td> <td>3.01</td> <td>18.69</td> <td>1.04</td>	2,255.00	0.69	127.53	2,164.76	-24.83	3.01	18.69	1.04
2,382.00 1.16 160.97 2,291.74 -26.39 4.21 20.61 0.79 2,446.00 1.67 173.64 2,355.72 -27.93 4.52 21.87 0.93 2,547.00 2.17 186.20 2,456.66 -31.29 4.48 24.06 0.64 2,611.00 1.25 182.75 2,520.64 -33.19 4.31 25.19 1.45 2,674.00 2.21 26.96 2,583.62 -32.80 4.83 25.32 5.38 2,737.00 2.23 50.48 2,646.58 -30.94 6.33 25.21 1.44 2,801.00 2.05 65.54 2,710.53 -29.67 8.33 25.87 0.92 2,864.00 2.52 76.52 2,773.48 -28.88 10.70 27.13 1.02 2,928.00 3.15 89.71 2,837.40 -28.54 13.83 29.25 1.41 2,991.00 4.37 99.90 2,900.27 -28.95 17.92 32.59 2.20 3,054.00 5.02 113.37 2,963.06 -30.45 </td <td>2 318 00</td> <td>0.89</td> <td>136 48</td> <td>2 227 75</td> <td>-25 42</td> <td>3.65</td> <td>19 55</td> <td>በ 37</td>	2 318 00	0.89	136 48	2 227 75	-25 42	3.65	19 55	በ 37
2,446.00 1.67 173.64 2,355.72 -27.93 4.52 21.87 0.93 2,547.00 2.17 186.20 2,456.66 -31.29 4.48 24.06 0.64 2,611.00 1.25 182.75 2,520.64 -33.19 4.31 25.19 1.45 2,674.00 2.21 26.96 2,583.62 -32.80 4.83 25.32 5.38 2,737.00 2.23 50.48 2,646.58 -30.94 6.33 25.21 1.44 2,801.00 2.05 65.54 2,710.53 -29.67 8.33 25.87 0.92 2,864.00 2.52 76.52 2,773.48 -28.88 10.70 27.13 1.02 2,928.00 3.15 89.71 2,837.40 -28.54 13.83 29.25 1.41 2,991.00 4.37 99.90 2,900.27 -28.95 17.92 32.59 2.20 3,054.00 5.02 113.37 2,963.06 -30.45 22.82 37.26 2.02	•							
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2,737.00 2.23 50.48 2,646.58 -30.94 6.33 25.21 1.44 2,801.00 2.05 65.54 2,710.53 -29.67 8.33 25.87 0.92 2,864.00 2.52 76.52 2,773.48 -28.88 10.70 27.13 1.02 2,928.00 3.15 89.71 2,837.40 -28.54 13.83 29.25 1.41 2,991.00 4.37 99.90 2,900.27 -28.95 17.92 32.59 2.20 3,054.00 5.02 113.37 2,963.06 -30.45 22.82 37.26 2.02								
2,801.00 2.05 65.54 2,710.53 -29.67 8.33 25.87 0.92 2,864.00 2.52 76.52 2,773.48 -28.88 10.70 27.13 1.02 2,928.00 3.15 89.71 2,837.40 -28.54 13.83 29.25 1.41 2,991.00 4.37 99.90 2,900.27 -28.95 17.92 32.59 2.20 3,054.00 5.02 113.37 2,963.06 -30.45 22.82 37.26 2.02								
2,864.00 2.52 76.52 2,773.48 -28.88 10.70 27.13 1.02 2,928.00 3.15 89.71 2,837.40 -28.54 13.83 29.25 1.41 2,991.00 4.37 99.90 2,900.27 -28.95 17.92 32.59 2.20 3,054.00 5.02 113.37 2,963.06 -30.45 22.82 37.26 2.02								
2,928.00 3.15 89.71 2,837.40 -28.54 13.83 29.25 1.41 2,991.00 4.37 99.90 2,900.27 -28.95 17.92 32.59 2.20 3,054.00 5.02 113.37 2,963.06 -30.45 22.82 37.26 2.02								
2,991.00 4.37 99.90 2,900.27 -28.95 17.92 32.59 2.20 3,054.00 5.02 113.37 2,963.06 -30.45 22.82 37.26 2.02								
3,054.00 5.02 113.37 2,963.06 -30.45 22.82 37.26 2.02	2,928.00	3.15	89.71	2,837.40	-28.54	13.83	29.25	1.41
	2,991.00	4.37	99.90	2,900.27	-28.95	17.92	32.59	2.20
3,118.00 4.58 142.34 3,026.84 -33.59 26.95 42.43 3.81	3,054.00	5.02	113.37	2,963.06	-30.45	22.82	37.26	2.02
	3,118.00	4.58	142.34	3,026.84	-33.59	26.95	42.43	3.81

Survey Report for 5-32D-36 BTR - Sperry MWD Surveys

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	
3,181.00	5.21	154.22	3,089.61	-38.15	29.73	47.54	1.89	
3.245.00	6.06	146.86	3,153.31	-43.60	32.84	53.47	1.74	
3,308.00	6.74	141.44	3,215.91	-49.27	36.96	60.32	1.44	
3,372.00	7.74	139.86	3,279.40	-55.51	42.08	68.28	1.59	
3,435.00	7.98	137.53	3,341.81	-61.98	47.77	76.82	0.63	
3,498.00	8.24	133.42	3,404.18	-68.30	54.00	85.68	1.01	
3,561.00	8.10	131.93	3,466.54	-74.37	60.58	94.63	0.40	
3,625.00	8.20	131.83	3,529.90	-80.43	67.34	103.71	0.16	
3,688.00	8.95	124.01	3,592.19	-86.17	74.75	113.06	2.20	
3,751.00	9.17	122.25	3,654.41	-91.59	83.06	122.87	0.56	
3,815.00	8.67	125.10	3,717.63	-97.08	91.32	132.70	1.04	
3,879.00	7.90	129.29	3,780.97	-102.64	98.67	141.89	1.53	
2.042.00	7.00		2.042.20	107.00	105.54	4E0 E0	0.65	
3,942.00	7.98	126.37	3,843.36	-107.98	105.54	150.58	0.65	
4,006.00	8.65	120.73	3,906.69	-113.07	113.25	159.73	1.65	
4,068.00	8.85	117.93	3,967.97	-117.69	121.48	168.95	0.76	
4,132.00	8.38	120.74	4,031.25	-122.38	129.83	178.32	0.99	
4,195.00	7.61	123.35	4,093.63	-127.02	137.26	186.96	1.35	
4,259.00	6.87	126.65	4,157.12	-131.63	143.88	194.97	1.33	
4,322.00	6.72	126.42	4,219.68	-136.07	149.86	202.40	0.24	
4,386.00	6.76	119.82	4,283.24	-140.16	156.15	209.82	1.21	
4,449.00	6.55	119.54	4,345.81	-143.78	162.49	216.97	0.34	
4,513.00	6.15	125.38	4,409.42	-147.56	168.46	223.95	1.19	
4,576.00	6.25	123.53	4,472.05	-151.41	174.07	230.70	0.35	
4,640.00	6.55	123.13	4,535.66	-155.33	180.03	237.77	0.47	
4,703.00	6.14	127.92	4,598.27	-159.37	185.70	244.68	1.06	
4,767.00	5.84	133,13	4,661.92	-163.70	190.77	251.36	0.97	
4,830.00	5.55	138.31	4,724.61	-168.16	195.14	257.58	0.94	
4,893.00	4.78	144.68	4,787.35	-172.58	198.68	263.16	1.52	
4,957.00	4.39	150.43	4,851.15	-176.89	201.43	268.07	0.94	
5,020.00	3.64	156.59	4,913.99	-180.82	203.42	272.16	1.37	
5,084.00	2.99	168.50	4,977.89	-184.32	204.56	275.33	1.47	
5,211.00	2.20	175.06	5,104.76	-189.99	205.43	279.74	0.66	
5,274.00	2.07	182.52	5,167.71	-192.33	205.48	281.33	0.49	
5,338.00	1.16	188.36	5,231.69	-194.13	205.34	282.41	1.44	
5,401.00	0.31	171.14	5,294.68	-194.93	205.27	282.89	1.38	
5,464.00	0.15	256.10	5,357.68	-195.12	205.22	282.97	0.53	
5,528.00	1.14	198.81	5,421.68	-195.74	204.93	283.17	1.67	
5,591.00	1.27	178.19	5,484.66	-197.03	204.75	283.89	0.71	
5,655.00	0.87	127.27	5,548.65	-198.03	205.16	284.86	1.54	
5,718.00	1.03	54.75	5,611.65	-198.00	206.00	285.47	1.80	
5,782.00	1.04	71.97	5,675.64	-197.49	207.03	285.89	0.48	
5,845.00	1.31	58.22	5,738.62	-196.93	208.18	286.39	0.62	
5,908.00	0.92	49.16	5,801.61	-196.22	209.18	286.67	0.68	
5,972.00	0.36	86.72	5,865.61	-195.87	209.77	286.88	1.05	
6,036.00	0.39	4.45	5,929.61	-195.64	209.98	286.89	0.77	
6,099.00	0.48	344.08	5,992.60	-195.18	209.93	286.54	0.28	
6,162.00	0.49	200.69	6,055.60	-195.17	209.76	286.42	1.46	
6,226.00	0.35	221.12	6,119.60	-195.58	209.53	286.51	0.32	
6,289.00	0.41	240.60	6,182.60	-195.83	209.21	286.44	0.22	
6,353.00	0.45	316.49	6,246.60	-195.76	208.84	286.12	0.83	
6,416.00	0.91	15.34	6,309.59	-195.10	208.80	285.65	1.24	

Survey Report for 5-32D-36 BTR - Sperry MWD Surveys

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
6,479.00	0.54	59.92	6,372.59	-194.47	209.19	285.52	1.03
6,543.00	1.27	136.82	6,436.58	-194.84	209.94	286.32	1.97
6,606.00	1.43	125.07	6,499.57	-195.80	211.06	287.80	0.51
6,670.00	1.20	80.17	6,563.55	-196.14	212.37	289.01	1.60
6,734.00	1.72	43.24	6,627.53	-195.33	213.69	289.46	1.64
6,797.00	1.46	52.94	6,690.51	-194.15	214.98	289.65	0.59
6,861.00	1.37	58.99	6,754.49	-193.27	216.28	290.05	0.27
6,924.00	1.16	68.26	6,817.47	-192.64	217.52	290.56	0.46
6,988.00	1.10	89.49	6,881.46	-192.40	218.74	291.31	0.66
7,052.00	0.92	96.36	6,945.45	-192.45	219.86	292.19	0.34
7,115.00	0.84	97.75	7,008.44	-192.57	220.82	292.99	0.13
7,178.00	0.84	124.22	7,071.44	-192.89	221.66	293.83	0.61
7,242.00	1.44	158.54	7,135.42	-193.90	222.35	295.01	1.38
7,305.00	1.56	158.82	7,198.40	-195.44	222.94	296.48	0.19
7,369.00	1.38	165.56	7,262.38	-197.00	223.45	297.89	0.39
7,432.00	1.37	161.77	7,325.36	-198.45	223.88	299.17	0.15
7,496.00	1.43	162.62	7,389.34	-199.94	224.35	300.51	0.10
7,559.00	1.26	152.21	7,452.33	-201.30	224.91	301.83	0.47
7,622.00	1.56	160.12	7,515.31	-202.72	225.53	303.23	0.57
7,686.00	1.71	166.08	7,579.28	-204.46	226.05	304.78	0.35
7,749.00	1.46	174.64	7,642.26	-206.18	226.35	306.14	0.55
7,813.00	1.26	179.39	7,706.24	-207.69	226.44	307.20	0.36
7,876.00	1.38	180.30	7,769.22	-209.14	226.44	308.17	0.19
7,940.00	1.56	180.18	7,833.20	-210.78	226.43	309.25	0.28
8,003.00	1.66	180.56	7,896.18	-212.55	226.42	310.41	0.16
8,067.00	1.92	181.79	7,960.15	-214.55	226.38	311.70	0.41
8,130.00	2.13	185.74	8,023.11	-216.77	226.23	313.06	0.40
8,193.00	1.93	189.03	8,086.07	- 218.99	225.95	314.31	0.37
8,257.00	2.26	185.80	8,150.02	-221.31	225.65	315.62	0.55
8,320.00	2.71	185.48	8,212.96	-224.02	225.38	317.22	0.71
8,384.00	2.74	184.12	8,276.89	-227.06	225.13	319.03	0.11
8,447.00	2.75	187.52	8,339.82	-230.06	224.82	320.79	0.26
8,511.00	3.07	185.52	8,403.74	-233.28	224.46	322.65	0.52
8,574.00	2.55	185.64	8,466.66	-236.36	224.16	324.46	0.83
8,645.00	2.56	184.33	8,537.59	-239.51	223.88	326.34	0.08
8,646.00	2.56	184.33	8,538.59	-239.56	223.88	326.36	0.00
Final MWD	Survey						
8,701.00	2.56	184.33	8,593.53	-242.00	223.69	327.84	0.00
Straight Lir	e Projection t	o Bit					

Survey Annotations

Measured	Vertical	Local Coor	dinates	
Depth (ft)	Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment
	(11)	(1-7)	(1.6)	
90.00	0.00	0.00	0.00	Tie-On
191.00	101.00	-0.24	-0.37	First MWD Survey
8,646.00	8,538.59	-239.56	223.88	Final MWD Survey
8,701.00	8,593.53	-242.00	223.69	Straight Line Projection to Bit

Survey Report for 5-32D-36 BTR - Sperry MWD Surveys

Angle			Origin	Orig	Start	
Туре	Target	Azimuth (°)	Type	+N/_S (ft)	+E/-W (ft)	TVD (ft)
Target	5-32D-36 BTR_BHL Tgt	131.42	Slot	0.00	0.00	0.00

Survey tool program

From (ft)	To (ft)		Survey/Plan	Survey Tool
191.00	\ -	Sperry MWD Surveys		MWD

Targets

Target Name - hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting			
- Shape	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)	Latitude	Longitude	
5-32D-36 BTR_SHL	0.00	0.00	0.00	0.00	0.00	673,438.65	2,253,265.46	40° 10' 43.500 N	110° 35' 36.859 W	
survey hits targePoint	et center									
5-32D-36 BTR_BHL	0.00	0.00	8,655.00	-179.95	203.99	673,260.79	2,253,471.25	40° 10' 41.722 N	110° 35' 34.231 W	
survey misses tPoint	arget cer	nter by 89	9.53ft at 8701	1.00ft MD (859	3.53 TVD, -	242.00 N, 223	3.69 E)			
5-32D-36 BTR_ZON	0.00	0.00	6,055.00	-179.95	203.99	673,260.79	2,253,471.25	40° 10' 41.722 N	110° 35' 34.231 W	
- survey misses t	aract con	tor by 16	27ft at 616	1 41# MD /COE	E 02 TVD	10E 17 NL 200	76 E)			

⁻ survey misses target center by 16.27ft at 6161.41ft MD (6055.02 TVD, -195.17 N, 209.76 E) - Rectangle (sides W200.00 H200.00 D2,600.00)

North Reference Sheet for Sec. 32-T3S-R6W - 5-32D-36 BTR - Plan B Rev 1

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to True North Reference.

Vertical Depths are relative to RKB 16 @ 6475.00ft (Patterson 506). Northing and Easting are relative to 5-32D-36 BTR

Coordinate System is US State Plane 1927 (Exact solution), Utah Central 4302 using datum NAD 1927 (NADCON CONUS), ellipsoid Clarke 1866 Projection method is Lambert Conformal Conic (2 parallel)

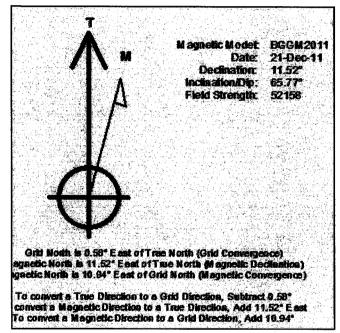
Central Meridian is 111° 30' 0.000 W°, Longitude Origin:0° 0' 0.000 E°, Latitude Origin:40° 39' 0.000 N°

False Easting: 2,000,000.00ft, False Northing: 0.00ft, Scale Reduction: 0.99991678

Grid Coordinates of Well: 673,438.65 ft N, 2,253,265.46 ft E Geographical Coordinates of Well: 40° 10' 43.50" N, 110° 35' 36.86" W Grid Convergence at Surface is: 0.58°

Based upon Minimum Curvature type calculations, at a Measured Depth of 8,701.00ft the Bottom Hole Displacement is 329.55ft in the Direction of 137.25° (True).

Magnetic Convergence at surface is: -10.94° (21 December 2011, , BGGM2011)



North Reference Sheet for Sec. 32-T3S-R6W - 5-32D-36 BTR - Plan B Rev 1

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to True North Reference.

Vertical Depths are relative to RKB 16 @ 6475.00ft (Patterson 506). Northing and Easting are relative to 5-32D-36 BTR

Coordinate System is US State Plane 1927 (Exact solution), Utah Central 4302 using datum NAD 1927 (NADCON CONUS), ellipsoid Clarke 1866 Projection method is Lambert Conformal Conic (2 parallel)

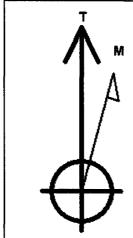
Central Meridian is 111° 30' 0.000 W°, Longitude Origin:0° 0' 0.000 E°, Latitude Origin:40° 39' 0.000 N°

False Easting: 2,000,000.00ft, False Northing: 0.00ft, Scale Reduction: 0.99991678

Grid Coordinates of Well: 673,438.65 ft N, 2,253,265.46 ft E Geographical Coordinates of Well: 40° 10' 43.50" N, 110° 35' 36.86" W Grid Convergence at Surface is: 0,58°

Based upon Minimum Curvature type calculations, at a Measured Depth of 8,701.00ft the Bottom Hole Displacement is 329.55ft in the Direction of 137.25° (True).

Magnetic Convergence at surface is: -10.94° (21 December 2011, , BGGM2011)



Magnetic Model: BGGM2011
Date: 21-Dec-11
Declination: 11,52°
Inclination/Dip: 65,77°
Field Strength: 52158

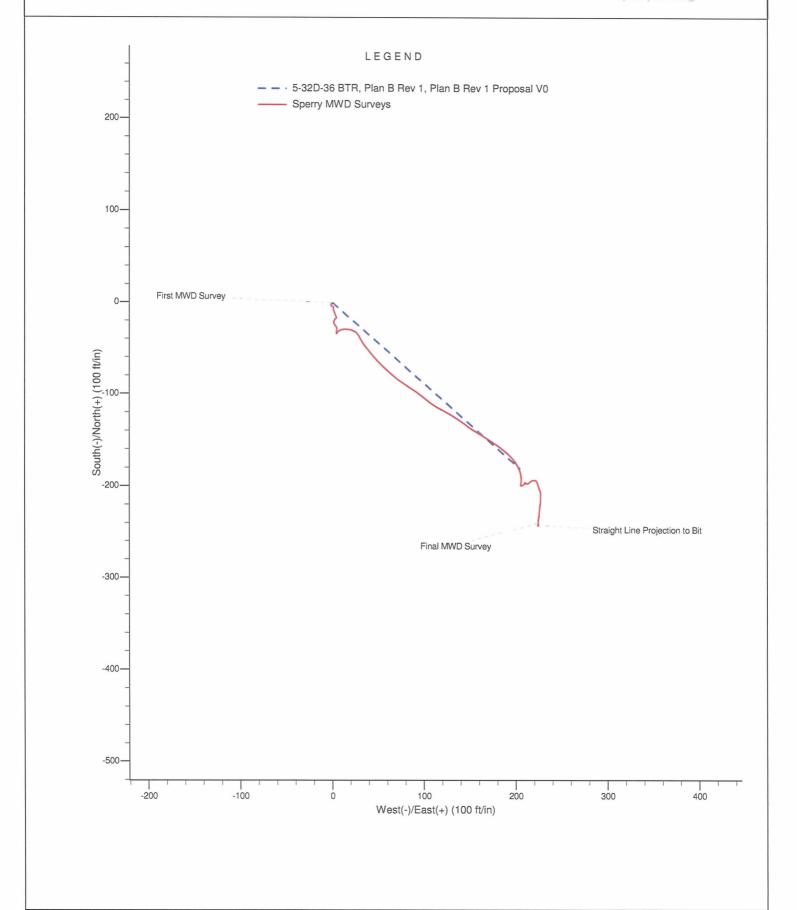
Grid North is 0.58" East of True North (Grid Convergence) agnetic North is 11.52" East of True North (Magnetic Declination) ignetic North is 10.94" East of Grid North (Magnetic Convergence)

To convert a True Direction to a Grid Direction, Subtract 0.58° convert a Magnetic Direction to a True Direction, Add 11.52° E ast To convert a Magnetic Direction to a Grid Direction, Add 10.94°

Project: Duchesne County, UT (NAD 1927) Site: Sec. 32-T3S-R6W Well: 5-32D-36 BTR

Bill Barrett Corp





Project: Duchesne County, UT (NAD 1927) Site: Sec. 32-T3S-R6W Well: 5-32D-36 BTR

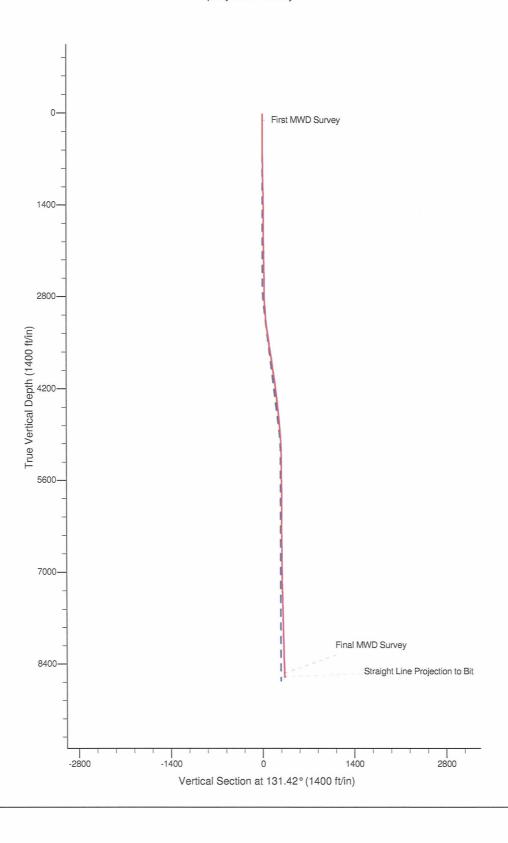
Bill Barrett Corp





- 5-32D-36 BTR, Plan B Rev 1, Plan B Rev 1 Proposal V0

Sperry MWD Surveys

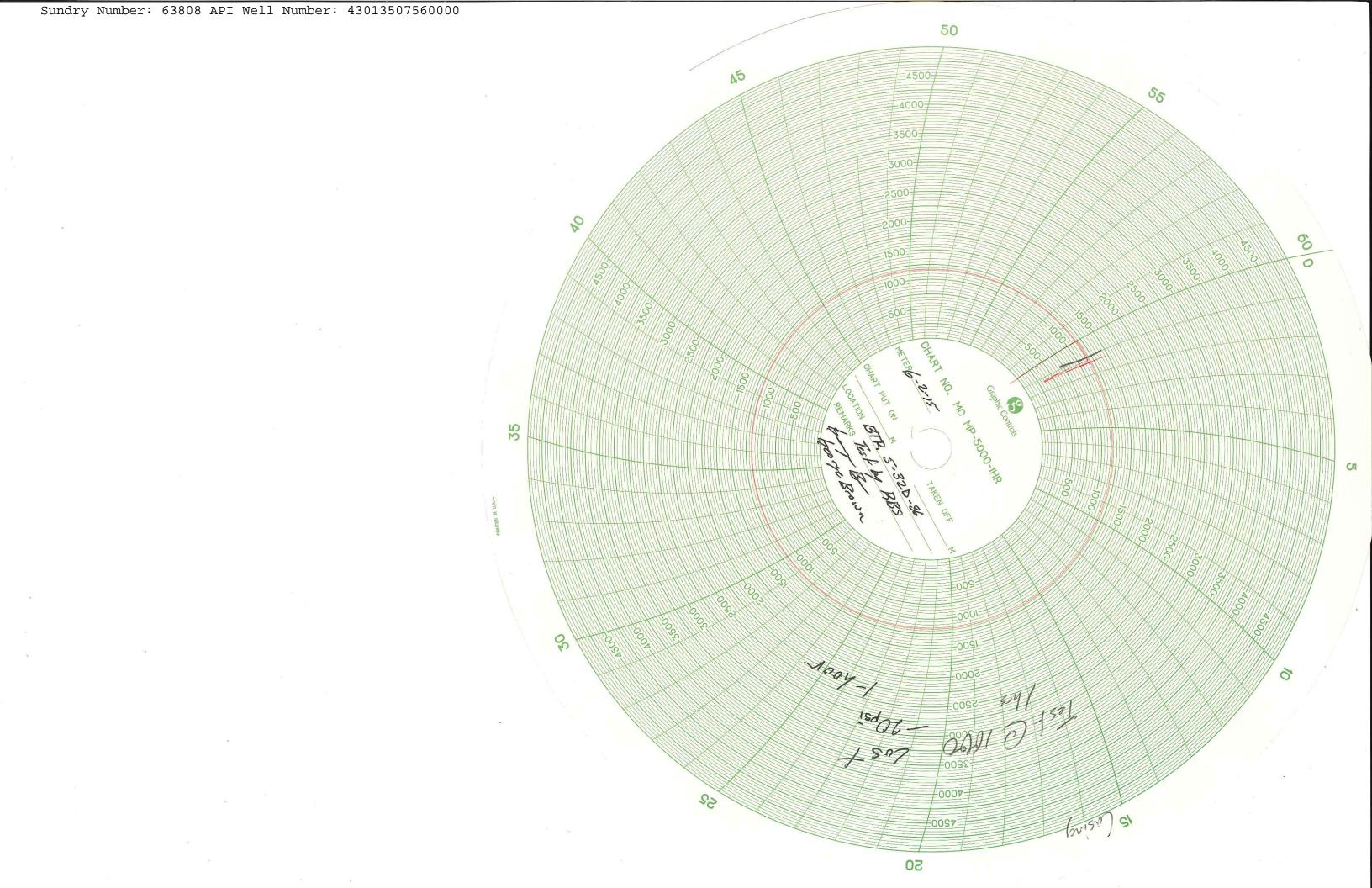


Sundry Number: 51797 API Well Number: 43013507560000

	STATE OF UTAH DEPARTMENT OF NATURAL RESOUF			FORM 9		
	5.LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-6428					
SUNDR	RY NOTICES AND REPORTS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE				
current bottom-hole depth,	Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.					
1. TYPE OF WELL Oil Well				8. WELL NAME and NUMBER: 5-32D-36 BTR		
2. NAME OF OPERATOR: BILL BARRETT CORP				9. API NUMBER: 43013507560000		
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300	, Denver, CO, 80202		DNE NUMBER: 312-8134 Ext	9. FIELD and POOL or WILDCAT: CEDAR RIM		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1800 FNL 0607 FWL				COUNTY: DUCHESNE		
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: SWNW Section:	HIP, RANGE, MERIDIAN: 32 Township: 03.0S Range: 06.0W M	eridian	ı: U	STATE: UTAH		
11. CHEC	K APPROPRIATE BOXES TO INDICA	ATE N	ATURE OF NOTICE, REPOR	RT, OR OTHER DATA		
TYPE OF SUBMISSION			TYPE OF ACTION			
	ACIDIZE		ALTER CASING	CASING REPAIR		
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS		CHANGE TUBING	CHANGE WELL NAME		
	CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE		
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN		FRACTURE TREAT	☐ NEW CONSTRUCTION		
3/30/2012	OPERATOR CHANGE	i	PLUG AND ABANDON	PLUG BACK		
SPUD REPORT	PRODUCTION START OR RESUME		RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION		
Date of Spud:	REPERFORATE CURRENT FORMATION		SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON		
	TUBING REPAIR		VENT OR FLARE	WATER DISPOSAL		
DRILLING REPORT Report Date:	WATER SHUTOFF		SI TA STATUS EXTENSION	APD EXTENSION		
кероп Баге.			STA STATUS EXTENSION	OTHER: Earned Lease		
	WILDCAT WELL DETERMINATION	•	OTHER	·		
	completed operations. Clearly shows been earned for this well. 14-20-H62-6428			Accepted by the Utah Division of Oil, Gas and Mining FORUE 5, QRD ONLY		
NAME (PLEASE PRINT) Christina Hirtler	PHONE NUN 303 312-8597	IBER	TITLE Administrative Assistant			
SIGNATURE	300 012 0001		DATE			
N/A			6/3/2014			

Sundry Number: 63808 API Well Number: 43013507560000 FEDERAL APPROVAL OF THIS ACTION IS NECESSARY

	STATE OF UTAH		FORM 9				
	DEPARTMENT OF NATURAL RESOUR		5.LEASE DESIGNATION AND SERIAL NUMBER:				
	DIVISION OF OIL, GAS, AND MINING						
SUNDF	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE						
	oposals to drill new wells, significantly reenter plugged wells, or to drill horizen n for such proposals.		7.UNIT or CA AGREEMENT NAME:				
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: 5-32D-36 BTR				
2. NAME OF OPERATOR: BILL BARRETT CORP			9. API NUMBER: 43013507560000				
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300	, Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext	9. FIELD and POOL or WILDCAT: CEDAR RIM				
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1800 FNL 0607 FWL			COUNTY: DUCHESNE				
QTR/QTR, SECTION, TOWNSI Qtr/Qtr: SWNW Section:	HIP, RANGE, MERIDIAN: 32 Township: 03.0S Range: 06.0W Me	eridian: U	STATE: UTAH				
11. CHEC	K APPROPRIATE BOXES TO INDICA	ATE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA				
TYPE OF SUBMISSION		TYPE OF ACTION					
	ACIDIZE	ALTER CASING	CASING REPAIR				
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME				
6/2/2015	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE				
SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION				
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK				
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION				
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON				
	TUBING REPAIR	☐ VENT OR FLARE	WATER DISPOSAL				
DRILLING REPORT	WATER SHUTOFF	✓ SI TA STATUS EXTENSION	APD EXTENSION				
Report Date:	WILDCAT WELL DETERMINATION	OTHER	OTHER:				
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. On 6/2/15 a MIT was conducted on the 5-1/2" casing above the top perf at 6485' by pressure testing the 5-1/2" casing & 2-7/8" tubing to 1000 psig for 60 minutes. A CIBP was set at 4050' due to fish top at 4101' & end of tubing is at 3863'. The cement bond log shows a top of cement at 900'. After 60 minutes a 20 psi drop to 980 was observed & it is concluded that this wellbore & its casing does in fact have integrity. Therefore, all underground sources of drinking water are protected. This well has no risk to public health, safety, or environment. See attached copy of MIT. Based on the above, BBC is requesting permission this well be granted TA status for a year as this well has potential for future recompletion upon improvement in market conditions. Contact Chris Stevenson 303-312-8704 with questions. BBC commits to checking the casing pressure quarterly to ensure wellbore integrity.							
NAME (PLEASE PRINT) Brady Riley	PHONE NUM 303 312-8115	BER TITLE Permit Analyst					
SIGNATURE N/A		DATE 6/9/2015					



Sundry Number: 65513 API Well Number: 43013507560000

			1		
	STATE OF UTAH		FORM 9		
	DEPARTMENT OF NATURAL RESOURCE		5.LEASE DESIGNATION AND SERIAL NUMBER:		
	DIVISION OF OIL, GAS, AND MINII	NG	14-20-H62-6428		
SUNDF	RY NOTICES AND REPORTS O	N WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE		
	oposals to drill new wells, significantly de reenter plugged wells, or to drill horizont n for such proposals.		7.UNIT or CA AGREEMENT NAME:		
1. TYPE OF WELL			8. WELL NAME and NUMBER:		
Oil Well			5-32D-36 BTR		
2. NAME OF OPERATOR: BILL BARRETT CORP			9. API NUMBER: 43013507560000		
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300		PHONE NUMBER: 13 312-8134 Ext	9. FIELD and POOL or WILDCAT: CEDAR RIM		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1800 FNL 0607 FWL			COUNTY: DUCHESNE		
QTR/QTR, SECTION, TOWNS	HIP, RANGE, MERIDIAN: 32 Township: 03.0S Range: 06.0W Merid	ian: U	STATE: UTAH		
11. CHEC	K APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPOR	RT, OR OTHER DATA		
TYPE OF SUBMISSION		TYPE OF ACTION			
	ACIDIZE	ALTER CASING	CASING REPAIR		
NOTICE OF INTENT	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME		
Approximate date work will start:					
✓ SUBSEQUENT REPORT	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE		
Date of Work Completion: 7/27/2015	L DEEPEN L	FRACTURE TREAT	☐ NEW CONSTRUCTION		
1/21/2013	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK		
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION		
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON		
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL		
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION		
	WILDCAT WELL DETERMINATION	OTHER	OTHER: qtrly monitoring		
	WILDCAT WELL DETERMINATION	OTHER	,		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. BBC is submitting this sundry to inform UDOGM that on 7/27/15 there was no pressure and no flowback when we opened the well up for 5 minutes. We shut the well back in and will check again qtrly per COAs following our MIT done on 6/2/15. **Total Complete Survey of the state of the complete Survey of the survey of					
NAME (PLEASE PRINT)	PHONE NUMBER	R TITLE			
Brady Riley	303 312-8115	Permit Analyst			
SIGNATURE N/A		DATE 8/17/2015			

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	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURCE		5.LEASE DESIGNATION AND SERIAL NUMBER:
	DIVISION OF OIL, GAS, AND MINI	ING	14-20-H62-6428
SUNDR	RY NOTICES AND REPORTS C	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE	
	oposals to drill new wells, significantly d reenter plugged wells, or to drill horizon n for such proposals.		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL			8. WELL NAME and NUMBER:
Oil Well			5-32D-36 BTR
2. NAME OF OPERATOR: BILL BARRETT CORP			9. API NUMBER: 43013507560000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300		PHONE NUMBER: 03 312-8134 Ext	9. FIELD and POOL or WILDCAT: CEDAR RIM
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1800 FNL 0607 FWL			COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 32 Township: 03.0S Range: 06.0W Merio	dian: U	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICATE	E NATURE OF NOTICE, REPOF	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE [ALTER CASING	CASING REPAIR
NOTICE OF INTENT	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
Approximate date work will start:	l — ,		
✓ SUBSEQUENT REPORT	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
Date of Work Completion: 10/21/2015	DEEPEN L	FRACTURE TREAT	☐ NEW CONSTRUCTION
10/21/2013	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
SPUD REPORT Date of Spud:	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date or Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
_	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
	WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: qtrly SI monitoring
/		U di	,
BBC is submitting the was no pressure a minutes. We shut the	completed operations. Clearly show all his sundry to inform UDOGM and no flowback when we open the well back in and will check bllowing our MIT done on 6/2	that on 10/21/15 there ened the well up for 5 k again qtrly per COAs	
NAME (PLEASE PRINT)	PHONE NUMBE	R TITLE	
Brady Riley	303 312-8115	Permit Analyst	
SIGNATURE N/A		DATE 11/2/2015	

Sundry Number: 69493 API Well Number: 43013507560000

	STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES		FORM 9	
ι	5.LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-6428			
SUNDR	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE			
Do not use this form for pro current bottom-hole depth, r FOR PERMIT TO DRILL form	7.UNIT or CA AGREEMENT NAME:			
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: 5-32D-36 BTR			
2. NAME OF OPERATOR: BILL BARRETT CORP			9. API NUMBER: 43013507560000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300		ONE NUMBER: 312-8134 Ext	9. FIELD and POOL or WILDCAT: CEDAR RIM	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1800 FNL 0607 FWL			COUNTY: DUCHESNE	
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: SWNW Section:	HP, RANGE, MERIDIAN: 32 Township: 03.0S Range: 06.0W Meridia	n: U	STATE: UTAH	
11. CHEC	K APPROPRIATE BOXES TO INDICATE N	IATURE OF NOTICE, REPOR	RT, OR OTHER DATA	
TYPE OF SUBMISSION		TYPE OF ACTION		
	ACIDIZE	ALTER CASING	CASING REPAIR	
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	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE	
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION	
1/25/2016	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK	
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION	
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON	
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL	
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION	
	☐ WILDCAT WELL DETERMINATION ✓	OTHER	OTHER:	
			<u> </u>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. BBC is submitting this sundry to inform UDOGM that on 1/25/2016 there was no pressure and no flow back when we opened the well up for 5 minutes. We shut the well back in and will check again qtrly per COAs following our MIT done on 6/2/15. Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY February 09, 2016				
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst		
SIGNATURE N/A		DATE 2/1/2016		

Sundry Number: 71530 API Well Number: 43013507560000

STATE OF UTAH DEPARTMENT OF NATURE RESOURCES DIVISION OF OIL, GAS, AND MINING SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form proposals to drill new walls, significantly deepen existing wells below current bottom-from or proposals to drill new walls, significantly deepen existing wells below current bottom-from or proposals to drill new walls, significantly deepen existing wells below current bottom-from or proposals to drill new walls, significantly deepen existing wells below current bottom-from or proposals to drill new walls, significantly deepen existing wells below current bottom-from or proposals. TUNT or CA AGREEMENT NAME: 7.UNT or CA AGREEMENT NAME: 8. WELL NAME and NUMBER: 9. AF NUMBER: 1. AF NU					
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Approximate date work will start: SUBSCRIBE PROPOSED OR COMPLETE DO PERATIONS. Clearly show all pertinent details including dates, depths, volume, etc. BBC is submitting this sundry to inform UDOGM that on 5/2/2016 there was no pressure and no flow back when we opened the well up for 5 minutes. We shut the well back in and will check again qtrly per COAs following our MIT done on 6/2/15. NAME (PLEASE PRINT)		CHANGE TO PREVIOUS PLANS	CHANGE TURING	CHANGE WELL NAME	
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SPUD REPORT Date of Spud: PLUG AND ABANDON PRODUCTION START OR RESUME RECLAMATION OF WELL SITE REPORTABLE DIFFERENT FORMATION SIDETRACK TO REPAIR WELL TEMPORARY ABANDON WATER DISPOSAL WATER DISPOSAL WATER SHUTOFF SI TA STATUS EXTENSION APP EXTENSION OTHER: GITLY MONITORING 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. BBC is submitting this sundry to inform UDOGM that on 5/2/2016 there was no pressure and no flow back when we opened the well up for 5 minutes. We shut the well back in and will check again qtrly per COAs following our MIT done on 6/2/15. NAME (PLEASE PRINT) PHONE NUMBER TITLE Permit Analyst SIGNATURE DATE	· ·	L DEEPEN L	7	LI NEW CONSTRUCTION	
Date of Spud: □ REPERFORATE CURRENT FORMATION □ SIDETRACK TO REPAIR WELL □ TEMPORARY ABANDON □ TUBING REPORT □ WATER SHUTOFF □ SITA STATUS EXTENSION □ APD EXTENSION □ WILDCAT WELL DETERMINATION ✓ OTHER □ OTHER: □ UTIL MONTH OF THE POTON OTHER: □ UTIL MONTH OTHER: □ WATER DISPOSAL □ DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. BBC is submitting this sundry to inform UDOGM that on 5/2/2016 there was no pressure and no flow back when we opened the well up for 5 minutes. We shut the well back in and will check again qtrly per COAs following our MIT done on 6/2/15. NAME (PLEASE PRINT) Brady Riley 303 312-8115 PHONE NUMBER TITLE Permit Analyst SIGNATURE □ TEMPORARY ABANDON □ WATER ONSPOSAL □ APD EXTENSION □ APD EXTEN	0,2,20.0	OPERATOR CHANGE	PLUG AND ABANDON	L PLUG BACK	
REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL TEMPORARY ABANDON TUBBIG REPAIR VENT OR PLANE WATER DISPOSAL ADDEXTERSION ADDEXTERSI		PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION	
DRILLING REPORT WATER SHUTOFF WILDCAT WELL DETERMINATION 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. BBC is submitting this sundry to inform UDOGM that on 5/2/2016 there was no pressure and no flow back when we opened the well up for 5 minutes. We shut the well back in and will check again qtrly per COAs following our MIT done on 6/2/15. NAME (PLEASE PRINT) Brady Riley SITA STATUS EXTENSION OTHER: gtrly monitoring OTHER: gtrly monitoring OTHER: gtrly monitoring OTHER: gtrly monitoring THER: gtrly monitoring Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY May 03, 2016 NAME (PLEASE PRINT) Brady Riley SIGNATURE DATE	July 61 Spaul	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON	
NAME (PLEASE PRINT) PHONE NUMBER SIGNATURE SIGNATURE SIGNATURE SIGNATURE SIGNATURE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.	_	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL	
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NAME (PLEASE PRINT) Brady Riley 303 312-8115 PHONE NUMBER TITLE Permit Analyst DATE	BBC is submitting this sundry to inform UDOGM that on 5/2/2016 there was no pressure and no flow back when we opened the well up for 5 minutes. We shut the well back in and will check again qtrly per COAs following our MIT done on 6/2/15. Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY				
Brady Riley 303 312-8115 Permit Analyst SIGNATURE DATE				May 55, 2515	
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	STATE OF UTAH		FORM 9
ι	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MININ	G	5.LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-6428
	Y NOTICES AND REPORTS ON	_	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
	posals to drill new wells, significantly dee reenter plugged wells, or to drill horizontal n for such proposals.		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: 5-32D-36 BTR
2. NAME OF OPERATOR: BILL BARRETT CORP			9. API NUMBER: 43013507560000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300		ONE NUMBER: 312-8134 Ext	9. FIELD and POOL or WILDCAT: CEDAR RIM
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1800 FNL 0607 FWL			COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSH	IIP, RANGE, MERIDIAN: 32 Township: 03.0S Range: 06.0W Meridia	n: U	STATE: UTAH
11. CHECI	K APPROPRIATE BOXES TO INDICATE N	NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
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NOTICE OF INTENT	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
Approximate date work will start.	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION
7/28/2016			
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
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BBC is submitting there was no press for 5 minutes. We	this sundry to inform UDOGM sure and no flow back when we	1 that on 7/28/2016 copened the well up check again qtrly per	Accepted by the Utah Division of
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst	
SIGNATURE N/A		DATE 8/1/2016	

	STATE OF UTAH		FORM 9				
	DEPARTMENT OF NATURAL RESOURCE		5.LEASE DESIGNATION AND SERIAL NUMBE				
	DIVISION OF OIL, GAS, AND MIN	ING	14-20-H62-6428				
DEPARTMENT OF NUTBER, RESOURCES DIVISION OF OIL, GAS, AND MINING SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole death, reenter pluggad wells, or to drill horizontal laterals. Use APPLICATION FOR PERMITT OF DRILL form for such proposals. 1.TYPE OF WELL OIL WILL 2. NAME OF OPERATOR: 1.00 PERATOR: 1							
current bottom-hole depth,	reenter plugged wells, or to drill horizor		7.UNIT or CA AGREEMENT NAME:				
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Oil Well			5-32D-36 BTR				
	, Denver, CO, 80202 3						
FOOTAGES AT SURFACE:							
QTR/QTR, SECTION, TOWNS		dian: U					
	K APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPOR	RT, OR OTHER DATA				
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	_	SLEASE DESIGNATION AND SERIAL NUMBER: OF OIL, GAS, AND MINING ES AND REPORTS ON WELLS illi new wells, significantly deepen existing wells below popular to to drill horizontal laterals. Use APPLICATION TO CA AGREEMENT NAME: UTE 7. UNIT or CA AGREEMENT NAME: 1. S. WELL NAME and NUMBER: 5. 32D -36 BTR 9. API NUMBER: 5. 32D -36 BTR 9. API NUMBER: CODAR RIM COUNTY: DUCHESNE STATE: UTAH RIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF ACTION TO PREVIOUS PLANS COMMINGLE PRODUCING FORMATIONS IN CHANGE TUBING OND STAT OR RESUME RECLAMATION OF WELL STRE WILL STATUS PRACTURE TREAT IN CHANGE TO REPAIR WELL WATER CASING REPAIR PLUG AND ABANDON OND STAT OR RESUME RECLAMATION OF WELL STRE WATER COMPLETE TO REPAIR WELL WATER OR PREVIOUS PLANS OPERATOR RESUME RECLAMATION OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. ACCEPTED by the Use ACCEPTED ONLY OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. ACCEPTED by the Use ACCEPTED ONLY OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. ACCEPTED by the Use ACCEPTED ONLY OCTOBER 1017 OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. ACCEPTED by the Use ACCEPTED ONLY OCTOBER 1017 OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. ACCEPTED by the Use ACCEPTED ONLY OCTOBER 1017 OCTOBER 1017 OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. ACCEPTED by the Use ACCEPTED ONLY OCTOBER 1017 OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. ACCEPTED by the Use ACCEPTED ONLY OCTOBER 1017 OPERATIONS. Clearly show all pertinent details including fates, depths, volumes, etc. ACCEPTED by the Use ACCEPTED ONLY OCTOBER 1017 OPERATIONS. Clearly show all pertinent details including fates, depths, volumes, etc. ACCEPTED by the Use ACCEPTED ONLY OCTOBER 1017 OPERATION 1017 O					
✓ SUBSEQUENT REPORT	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE				
Date of Work Completion: 10/17/2016	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION				
10/17/2016	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK				
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION				
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON				
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL				
	WATER SHUTOFF	SI TA STATUS EXTENSION	S-32D-36 BTR				
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BBC is submitting there was no press for 5 minutes. We	this sundry to inform UDOG sure and no flow back when v shut the well back in and wil	M that on 10/17/2016 we opened the well up I check again qtrly per	Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY				
SIGNATURE							
N/A							

Division of Oil, Gas and Mining

Operator Change/Name Change Worksheet-for State use only

Effective Date:

11/1/2016

FORMER OPERATOR:	NEW OPERATOR:	
Bill Barrett Corporation	Rig II, LLC	
1099 18th Street, Suite 2300	1582 West 2600 South	
Denver, CO 80202	Woods Cross, UT 84087	
CA Number(s):	Unit(s):	

WELL INFORMATION:

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
See Attached List									

OPERATOR CHANGES DOCUMENTATION:

1. Sundry or legal documentation was received from the **FORMER** operator on:

10/21/2016

2. Sundry or legal documentation was received from the NEW operator on:

10/21/2016

3. New operator Division of Corporations Business Number:

8256968-0160

REVIEW:

1. Surface Agreement Sundry from NEW operator on Fee Surface wells received on:

N/A

2. Receipt of Acceptance of Drilling Procedures for APD on:

10/21/2016

3. Reports current for Production/Disposition & Sundries:

11/2/2016

4. OPS/SI/TA well(s) reviewed for full cost bonding:

11/3/2016

5. UIC5 on all disposal/injection/storage well(s) approved on:

11/3/2016

6. Surface Facility(s) included in operator change:

None

7. Inspections of PA state/fee well sites complete on (only upon operators request):

11/3/2016

NEW OPERATOR BOND VERIFICATION:

1. Federal well(s) covered by Bond Number:

UTB000712

2. Indian well(s) covered by Bond Number:

LPM 922467

3.State/fee well(s) covered by Bond Number(s):

9219529

DATA ENTRY:

1. Well(s) update in the OGIS on:

11/7/2016

2. Entity Number(s) updated in OGIS on:

11/7/2016

3. Unit(s) operator number update in OGIS on:

N/A

4. Surface Facilities update in OGIS on:

N/A

5. State/Fee well(s) attached to bond(s) in RBDMS on:

11/7/2016

6. Surface Facilities update in RBDMS on:

N/A

COMMENTS:

From: Bill Barrett Corporation
To: Rig II, LLC
Effective 11/1/2016

Well Name	Sec	TWN	RNG	API Number	Entity	Mineral	Surface	Туре	Status
SWD 9-36 BTR	9	030S	060W	4301350646	18077	Indian	Fee	WD	Α
16-6D-46 BTR SWD	6	040S	060W	4301350781	18327	Indian	Fee	WD	Α
6-32-36 BTR SWD	32	030S	060W	4301350921	18329	Indian	Fee	WD	Α
LC TRIBAL 8-26D-47	26	040S	070W	4301334024		Indian	Indian	OW	APD
16-21D-37 BTR	21	030S	070W	4301350758		Indian	Fee	OW	APD
14-11D-37 BTR	11	030S	070W	4301350862		Indian	Fee	ow	APD
7-17D-46 BTR	17	040S	060W	4301350883		Indian	Indian	OW	APD
14-12D-37 BTR	12	030S	070W	4301350894		Indian	Fee	OW	APD
I-18D-36 BTR	18	030S	060W	4301350922		Indian	Fee	OW	APD
13-2D-45 BTR	2	040S	050W	4301350931		Indian	Indian	OW	APD
5H-16-46 BTR	16	040S	060W	4301350992		Indian	Indian	OW	APD
9H-17-45 BTR	17	040S	050W	4301351098		Indian	Indian	OW	APD
13H-8-46 BTR UB	8	040S	060W	4301351124		Indian	Indian	OW	APD
3H-9-46 BTR	9	040S	060W	4301351140		Indian	Indian	ow	APD
C TRIBAL 7-31D-37	31	030S	070W	4301351147		Indian	Fee	ow	APD
4-16D-45 BTR	16	040S	050W	4301351178		Indian	Indian	ow	APD
6-19D-37 BTR	19	030S	070W	4301351179		Indian	Fee	OW	APD
3-2D-45 BTR	2	040S	050W	4301351234		Indian	Indian	ow	APD
2-2D-45 BTR	2	040S	050W	4301351235		Indian	Indian	OW	APD
10-26-35 BTR	26	030S	050W	4301351248		Indian	Fee	ow	APD
.C TRIBAL 1H-33-46	33	040S	060W	4301351257		Indian	Fee	OW	APD
C TRIBAL 9-25D-46	25	040S	060W	4301351276		Indian	Indian	ow	APD
C TRIBAL 8H-30-45	30	040S	050W	4301351277		Indian	Indian	OW	APD
C TRIBAL 16H-30-45	30	040S	050W	4301351279		Indian	Indian	OW	APD
C TRIBAL 13-30D-45	30	040S	050W	4301351282		Indian	Indian	OW	APD
C TRIBAL 16H-36-46	36	040S	060W	4301351291		Indian	Indian	OW	APD
C TRIBAL 13H-30-46	30	040S	060W	4301351321		Indian	Indian	OW	APD
C TRIBAL 13H-31-46	31	040S	060W	4301351326		Indian	Indian	OW	APD
C TRIBAL 16-31D-46	31	040S	060W	4301351328		Indian	Indian	OW	APD
.C TRIBAL 5H-26-47	26	040S	070W	4301351337		Indian	Indian	OW	APD
C TRIBAL 5H-19-45	20	040S	050W	4301351349		Indian	Indian	OW	APD
C TRIBAL 16-36D-47	36	040S	070W	4301351363		Indian	Indian	ow	APD
15-4D-47 BTR	4	040S	070W	4301351377		Indian	Fee	OW	APD
6-23D-46 LC TRIBAL	23	040S	060W	4301351396		Indian	Fee	OW	APD
5-2D-36 BTR	2	030S	060W	4301351419		Indian	Fee	OW	APD
16-23D-37 BTR	23	030S	070W	4301351420	1	Indian	Fee	ow	APD
11-9D-47 BTR	9	040S	070W	4301351422		Indian	Fee	OW	APD
15-13D-47 BTR	13	040S	070W	4301351424		Indian	Indian	OW	APD
C TRIBAL 15-19D-46	19	040S	060W	4301351426		Indian	Indian	OW	APD
16-13D-45 BTR	13	040S	050W	4301351428		Indian	Indian	OW	APD

From: Bill Barrett Corporation To: Rig II, LLC Effective 11/1/2016

14-12D-45 BTR	12	040S	050W	4301351444	Indian	Indian	OW	APD
16-14D-45 BTR	14	040S	050W	4301351445	Indian	Indian	OW	APD
5-13D-45 BTR	13	040S	050W	4301351446	Indian	Indian	OW	APD APD
LC TRIBAL 16-26D-46	26	040S	060W	4301351450	Indian	State	OW	APD
LC TRIBAL 10-20D-40 LC TRIBAL 16-34D-46	34	040S	060W	4301351451				
16-12D-45 BTR	12	040S	050W	4301351451	Indian	State	OW	APD
8-12D-45 BTR	12	040S	050W	4301351453	Indian	Indian	OW	APD
LC TRIBAL 1-35D-46	35	040S	060W		Indian	Indian	OW	APD
16-25D-37 BTR		0308	070W	4301351454	Indian	Fee	OW	APD
LC TRIBAL 13H-29-46	25			4301351455	Indian	Fee	OW	APD
	28	040S	060W	4301351462	Indian	Fee	OW	APD
LC TRIBAL 14-30D-37	30	0308	070W	4301351494	Indian	Fee	OW	APD
7-13D-45 BTR	13	0408	050W	4301351497	Indian	Indian	OW	APD
LC TRIBAL 4H-35-46	35	0408	060W	4301351515	Indian	Fee	OW	APD
LC TRIBAL 13H-19-46	19	0408	060W	4301351543	Indian	Indian	OW	APD
16-26D-37 BTR	26	030S	070W	4301351598	Indian	Fee	OW	APD
LC TRIBAL 16-31D-37	31	030S	070W	4301351610	Indian	Fee	OW	APD
5-4-35 BTR	4	030S	050W	4301351613	Indian	Fee	OW	APD
LC TRIBAL 16-31D-47	31	040S	070W	4301351616	Indian	Indian	OW	APD
LC TRIBAL 13H-31-47	31	040S	070W	4301351617	Indian	Indian	OW	APD
LC TRIBAL 13-32D-47	32	040S	070W	4301351619	Indian	Indian	OW	APD
LC TRIBAL 16H-32-47	32	040S	070W	4301351620	Indian	Indian	OW	APD
LC TRIBAL 1-32D-47	32	040S	070W	4301351624	Indian	Indian	OW	APD
LC TRIBAL 4H-32-47	32	040S	070W	4301351625	Indian	Indian	OW	APD
LC TRIBAL 13-28D-47	28	040S	070W	4301351627	Indian	Indian	OW	APD
LC TRIBAL 13H-29-47	28	040S	070W	4301351628	Indian	Indian	OW	APD
LC TRIBAL 16H-28-47	28	040S	070W	4301351629	Indian	Indian	OW	APD
LC TRIBAL 1-28D-47	28	040S	070W	4301351639	Indian	Indian	OW	APD
LC TRIBAL 1H-27-47	28	040S	070W	4301351640	Indian	Indian	OW	APD
LC TRIBAL 4H-28-47	28	040S	070W	4301351641	Indian	Indian	OW	APD
LC TRIBAL 7-25D-58	25	050S	080W	4301351643	Indian	Indian	OW	APD
LC TRIBAL 6-25D-58	25	050S	080W	4301351644	Indian	Indian	OW	APD
LC TRIBAL 13H-24-58	24	050S	080W	4301351645	Indian	Indian	OW	APD
LC TRIBAL 16-24D-58	24	0508	W080	4301351646	Indian	Indian	ow	APD
LC Tribal 8-23D-46	23	0408	060W	4301351654	Indian	Fee	ow	APD
LC Tribal 16-35D-45	35	040S	050W	4301351656	Indian	Fee	OW	APD
LC Tribal 13H-35-45	35	040S	050W	4301351657	Indian	Fee	OW	APD
LC Tribal 16-36D-45	36	0408	050W	4301351658	Indian	Fee	OW	APD
LC Tribal 13H-36-45	36	040S	050W	4301351659	Indian	Fee	OW	APD
LC Tribal 5-36D-45	36	040S	050W	4301351661	Indian	Fee	ow	APD
LC Tribal 8-26D-46	26	040\$	060W	4301351663	Indian	Fee	OW	APD
3-29D-36 BTR	29	0308	060W	4301351665	Indian	Fee	OW	APD

From: Bill Barrett Corporation
To: Rig II, LLC
Effective 11/1/2016

LC Tribal 5-35D-45	35	040S	050W	4301351666	Indian	Fee	OW	APD
_C Tribal 5-24D-46	24	0408	060W	4301351668	Indian	Indian	OW	APD
_C TRIBAL 6-12D-58	12	050S	W080	4301351696	Indian	Indian	OW	APD
LC TRIBAL 8-12D-58	12	050S	080W	4301351697	Indian	Indian	OW	APD
.C TRIBAL 16H-22-47	21	040S	070W	4301351700	Indian	Indian	OW	APD
5-25D-37 BTR	25	030S	070W	4301351803	Indian	Fee	OW	APD
8-3D-36 BTR	3	0308	060W	4301351804	Indian	Fee	OW	APD
14-26D-37 BTR	26	0308	070W	4301351805	Indian	Fee	OW	APD
9-4-35 BTR	4	0308	050W	4301351806	Indian	Fee	OW	APD
11-4D-35 BTR	4	0308	050W	4301351807	Indian	Fee	OW	APD
16-27D-37 BTR	27	0308	070W	4301351808	Indian	Fee	OW	APD
14-27D-37 BTR	27	0308	070W	4301351809	Indian	Fee	OW	APD
14-16D-46 BTR	16	040S	060W	4301351812	Indian	Indian	OW	APD
_C Tribal 16-35D-48	35	040S	080W	4301351847	Indian	Indian	OW	APD
LC Tribal 13H-35-48	35	0408	080W	4301351848	Indian	Indian	OW	APD
LC Tribal 13-2D-58	11	050S	080W	4301351850	Indian	Indian	OW	APD
5-13D-36 BTR	13	0308	060W	4301351862	Indian	Fee	OW	APD
5-8D-36 BTR	8	0308	060W	4301351871	Indian	Fee	OW	APD
16-1D-36 BTR	1	0308	060W	4301351872	Indian	Fee	OW	APD
3-18D-46 BTR	18	040S	060W	4301351897	Indian	Fee	OW	APD
LC Tribal 5-36D-46	36	0408	060W	4301351905	Indian	Indian	ow	APD
_C Tribal 5-26D-45	26	040S	050W	4301351907	Indian	Indian	OW	APD
14-13D-45 BTR	13	040S	050W	4301351974	Indian	Indian	OW	APD
14-34D-46 DLB	34	0408	060W	4301351975	Indian	Fee	OW	APD
LC Tribal 5-21D-45	21	0408	050W	4301352001	Indian	Indian	OW	APD
.C Tribal 8-22D-45	22	0408	050W	4301352002	Indian	Indian	OW	APD
_C Tribal 8-25D-45	25	0408	050W	4301352007	Indian	Indian	OW	APD
_C Tribal 16-25D-45	25	0408	050W	4301352008	Indian	Indian	OW	APD
LC Tribal 16-22D-45	22	040S	050W	4301352009	Indian	Indian	OW	APD
LC Tribal 16-26D-45	26	0408	050W	4301352010	Indian	Indian	OW	APD
LC Tribal 14-31D-37	31	0308	070W	4301352016	Indian	Fee	OW	APD
5-12D-45 BTR	12	040S	050W	4301352030	Indian	Indian	OW	APD
LC Tribal 9-20D-45	20	0408	050W	4301352031	Indian	Indian	OW	APD
LC Tribal 13-35D-47	35	0408	070W	4301352055	Indian	Indian	OW	APD
_C Tribal 1-23D-47	23	0408	070W	4301352057	Indian	Indian	OW	APD
9-17D-46 BTR	17	0408	060W	4301352059	Indian	Indian	OW	APD
11-18D-46 BTR	18	040S	060W	4301352060	Indian	Indian	OW	APD
9-10D-47 BTR	10	0408	070W	4301352092	Indian	Fee	OW	APD
LC Tribal 1-17D-47	17	0408	070W	4301352096	Indian	Fee	OW	APD
7-35D-37 BTR	35	0308	070W	4301352115	Indian	Fee	OW	APD
14-25D-37 BTR	25	0308	070W	4301352116	Indian	Fee	OW	APD

LC Tribal 5-25-46	25	040S	060W	4301352126	Indian	Indian	OW	APD
3-33D-35 BTR	33	030S	050W	4301352161	Indian	Fee	OW	APD
5-4D-36 BTR	4	030S	060W	4301352175	Indian	Fee	OW	APD
7-4D-36 BTR	4	030S	060W	4301352176	Indian	Fee	OW	APD
_C Tribal 4-36D-47	36	040S	070W	4301352186	Indian	Indian	OW	APD
LC Tribal 4-22D-46	22	040S	060W	4301352944	Indian	Indian	OW	APD
LC Tribal 16-22D-46	22	040S	060W	4301352945	Indian	Indian	OW	APD
LC Tribal 11-19D-46	19	040S	060W	4301352946	Indian	Indian	OW	APD
LC Tribal 7-20D-45	20	040S	050W	4301352947	Indian	Indian	OW	APD
15-11D-35 BTR	11	030S	050W	4301353056	Indian	Fee	OW	APD
13-11D-35 BTR	11	030S	050W	4301353057	Indian	Fee	OW	APD
3TR 16-36D-37	36	030S	070W	4301353059	Indian	Fee	OW	APD
4-29D-35 BTR	30	030\$	050W	4301353060	Indian	Fee	OW	APD
1-30D-35 BTR	30	0308	050W	4301353061	Fee	Fee	OW	APD
_C TRIBAL 3-23D-46	23	040S	060W	4301353066	Indian	State	OW	APD
_C Tribal 14-23D-46	23	040S	060W	4301353067	Indian	State	OW	APD
_C Tribal 13-25D-46	25	040S	060W	4301353068	Indian	Indian	OW	APD
_C Tribal 14-26D-46	26	040S	060W	4301353069	Indian	State	OW	APD
_C Tribal 5-26D-46	26	040S	060W	4301353070	Indian	State	OW	APD
_C Tribal 11-35D-45	35	040S	050W	4301353071	Indian	State	OW	APD
_C Tribal 7-35D-45	35	040\$	050W	4301353072	Indian	State	OW	APD
_C Tribal 3-35D-45	35	040S	050W	4301353075	Indian	State	OW	APD
_C Tribal 14-36D-45	36	040S	050W	4301353076	Indian	State	OW	APD
_C Tribal 13-36D-45	36	040S	050W	4301353077	Indian	State	OW	APD
_C Tribal 10-36D-45	36	0408	050W	4301353078	Indian	State	OW	APD
_C Tribal 8-36D-45	36	040S	050W	4301353079	Indian	State	OW	APD
LC Tribal 6-36D-45	36	040S	050W	4301353080	Indian	State	OW	APD
LC Tribal 1-34D-46	34	040S	060W	4301353081	Indian	State	OW	APD
_C Tribal 9-27D-46	27	040S	060W	4301353082	Indian	State	OW	APD
_C Tribal 13-35D-45	35	040S	050W	4301353083	Indian	State	OW	APD
_C Tribal 8-35D-45	35	040S	050W	4301353084	Indian	State	OW	APD
_C Tribal 15-35D-45	35	040S	050W	4301353085	Indian	State	OW	APD
LC Tribal 12-25D-45	25	040S	050W	4301353122	Indian	Indian	OW	APD
LC Tribal 14-25D-45	25	040\$	050W	4301353123	Indian	Indian	OW	APD
_C Tribal 10-25D-45	25	040S	050W	4301353124	Indian	Indian	OW	APD
_C Tribal 11-26-45	26	040S	050W	4301353125	Indian	Indian	OW	APD
_C Tribal 13-26D-45	26	040S	050W	4301353126	Indian	Indian	OW	APD
C Tribal 7-31D-46	31	040S	060W	4301353127	Indian	Indian	OW	APD
C Tribal 7-19D-45	19	040S	050W	4301353128	Indian	Indian	OW	APD
_C Tribal 5-19D-45	19	040S	050W	4301353130	Indian	Indian	OW	APD
LC Tribal 7-25D-46	25	040S	060W	4301353132	Indian	Indian	OW	APD

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_C Tribal 7-24D-46	24	0408	060W	4301353134		Indian	Indian	OW	APD
.C Tribal 14-31D-46	31	040S	060W	4301353135		Indian	Indian	OW	APD
C Tribal 14-30D-46	30	040S	060W	4301353136		Indian	Indian	OW	APD
13-4-35 BTR SWD	4	030S	050W	4301353293		Fee	Fee	OW	APD
.C FEE 14-26D-47	26	040S	070W	4301353294	1	Fee	Indian	OW	APD
C Fee 5-25D-47	25	040S	070W	4301353295		Fee	Indian	OW	APD
7-35-46 LC SWD	35	040S	060W	4301353296		Fee	Fee	OW	APD
.C Fee 1H-33-47	32	040S	070 W	4301353309		Fee	Indian	ow	APD
_C FEE 14-2D-58	2	050S	W080	4301353312		Fee	Indian	OW	APD
C FEE 13H-21-47	21	040S	070W	4301353313		Fee	Indian	OW	APD
C Fee 16-21D-47	21	040S	070W	4301353326		Fee	Indian	OW	APD
6-7D-46 BTR	7	040S	060W	4301353328		Fee	Indian	OW	APD
C Fee 15-26D-47	26	040S	070W	4301353331		Fee	Indian	OW	APD
.C Fee 4-24D-47	23	040S	070W	4301353332		Fee	Indian	OW	APD
.C Fee 5-34D-47	34	040S	070W	4301353333		Fee	Indian	OW	APD
.C Fee 5-35D-47	35	040S	070W	4301353334	:	Fee	Indian	OW	APD
3-34D-47 LC Fee	34	040S	070W	4301353337		Fee	Indian	OW	APD
4-35D-35 BTR	35	030S	050W	4301352120		Fee	Fee	OW	DRL
-17D-46 BTR	17	040S	060W	4301351078		Indian	Indian	OW	OPS
-34D-35 BTR	34	030S	050W	4301351187		Indian	Fee	OW	OPS
5-10D-45 BTR	10	040S	050W	4301351221		Indian	Indian	OW	OPS
-3D-45 BTR	3	040S	050W	4301351810		Indian	Indian	OW	OPS
-34D-35 BTR	34	030S	050W	4301352117		Fee	Fee	OW	OPS
-35D-35 BTR	35	030S	050W	4301352118		Fee	Fee	OW	OPS
-2D-46 BTR	2	040S	060W	4301353086		Indian	Fee	OW	OPS
'-21-46 DLB	21	040S	060W	4301333567	16526	Indian	Indian	OW	P
.C TRIBAL 1H-27-46	27	040S	060W	4301333568	18175	Indian	Fee	GW	P
'-29-46 DLB	29	040S	060W	4301333584	17603	Indian	Fee	GW	P
C TRIBAL 12H-28-46	28	0408	060W	4301333631	18132	Indian	Indian	GW	P
.C TRIBAL 13H-21-46	21	0408	060W	4301333632	18107	Indian	Indian	GW	 P
2-36-36 BTR	36	030S	060W	4301333638	16336	Indian	Fee	GW	P
i-5-46 BTR	5	0408	060W	4301333639	16542	Indian	Fee	OW	P
5-23-36 BTR	23	0308	060W	4301333642	16675	Indian	Fee	GW	P
4-29-36 BTR	29	0308	060W	4301333643	16725	Indian	Fee	ow	P
4-30-36 BTR	30	0308	060W	4301333644	16701	Indian	Fee	GW	<u>'</u>
'-20-46 DLB	20	040S	060W	4301333657	16584	Indian	Indian	OW	'P
.C TRIBAL 5-21D-46	21	0408	060W	4301333658	18887	Indian	Indian	OW	P
-20-46 DLB	20	0408	060W	4301333659	18750	Indian	Indian	GW	P
.C TRIBAL 13H-20-46	20	0408	060W	4301333678	17979	Indian	Indian	GW	P
14-7-46 BTR	7	0408	060W	4301333806	16890	Indian	Indian	GW	P
	1.	0.00	100011	TOO OOOOOO	10000	HIMIAII	HIMIAH	UVV	1 1-1

1-5-45 BTR	5	040S	050W	4301333868	16931	Indian	Indian	OW	Р
5-16-36 BTR	16	030S	060W	4301333970	17195	Indian	Fee	ow	P
5-29-36 BTR	29	030S	060W	4301333972	17557	Indian	Fee	OW	P
4-30-36 BTR	30	030S	060W	4301333973	17249	Indian	Fee	OW	P
7-19-46 DLB	19	040S	060W	4301334004	19018	Indian	Indian	OW	Р
5-25-36 BTR	25	0308	060W	4301334021	17126	Fee	Fee	OW	P
5-4-45 BTR	4	0408	050W	4301334089	17507	Indian	Indian	oW	Р
13-2-46 BTR	2	040S	060W	4301334090	18618	Indian	Indian	ow	Р
2-3-45 BTR	3	040S	050W	4301334099	17932	Indian	Indian	OW	Р
7-6-45 BTR	6	040S	050W	4301334100	17653	Indian	Indian	OW	Р
1-9-45 BTR	9	0408	050W	4301334101	17910	Indian	Indian	OW	Р
8-10-45 BTR	10	040S	050W	4301334102	17530	Indian	Indian	ow	Р
7-17-45 BTR	17	040S	050W	4301334104	17933	Indian	Indian	OW	Р
16-7-45 BTR	7	040S	050W	4301334111	17665	Indian	Indian	OW	Р
15-18-45 BTR	18	040S	050W	4301334112	17832	Indian	Indian	ow	P
6-12-46 BTR	12	040S	060W	4301334114	17964	Indian	Indian	ow	P
5-13-46 BTR	13	040S	060W	4301334115	17833	Indian	Indian	OW	Р
16-26-36 BTR	26	030S	060W	4301334132	18028	Indian	Fee	ow	P
1-23-36 BTR	23	030S	060W	4301334136	17722	Indian	Fee	OW	Р
15-10-36 BTR	10	030S	060W	4301334277	17419	Indian	Fee	ow	Р
14-5-46 BTR	5	040S	060W	4301350307	17624	Fee	Fee	ow	Р
14X-22-46 DLB	22	040S	060W	4301350351	17604	Indian	Indian	ow	Р
16-13-36 BTR	13	030S	060W	4301350372	17853	Indian	Fee	ow	Р
5-33-46 DLB	33	040S	060W	4301350397	17765	Indian	Fee	OW	Р
5-34-46 DLB	34	040S	060W	4301350415	17801	Indian	State	GW	Р
LC FEE 12H-32-46	32	040S	060W	4301350431	18003	Fee	Fee	OW	Р
1-13D-47 BTR	13	040S	070W	4301350445	18205	Indian	Fee	OW	Р
16-8D-45 BTR	8	040S	050W	4301350466	18799	Indian	Indian	OW	Р
7-13D-46 BTR	13	040S	060W	4301350470	18076	Indian	Indian	OW	Р
14-8D-45 BTR	8	040S	050W	4301350567	18207	Indian	Indian	OW	Р
14-5D-45 BTR	5	040S	050W	4301350568	18108	Indian	Indian	OW	Р
16-31D-36 BTR	31	030S	060W	4301350573	18004	Indian	Fee	OW	P
5-7D-46 BTR	7	040S	060W	4301350574	18176	Indian	Indian	OW	Р
LC TRIBAL 13H-33-46	34	040S	060W	4301350575	18223	Indian	State	OW	Р
5-8-45 BTR	8	040S	050W	4301350607	18279	Indian	Indian	OW	Р
16-6D-45 BTR	6	040S	050W	4301350610	18177	Indian	Indian	OW	P
5-18D-45 BTR	18	040S	050W	4301350611	18300	Indian	Indian	OW	Р
7-26-37 BTR	26	030\$	070W	4301350641	18131	Indian	Fee	OW	Р
3-11D-36 BTR	11	030S	060W	4301350642	18299	Indian	Fee	OW	Р
16-1D-46 BTR	1	040S	060W	4301350675	18525	Indian	Indian	ow	Р
14-3-45 BTR	3	040S	050W	4301350676	18363	Indian	Indian	ow	Р

4-17D-45 BTR	17	040S	050W	4301350687	18517	Indian	Indian	OW	Р
5-6D-45 BTR	6	040S	050W	4301350688	18726	Indian	Indian	OW	P
7-7D-45 BTR	7	040S	050W	4301350689	18380	Indian	Indian	OW	P
14-10D-45 BTR	10	040S	050W	4301350754	18447	Indian	Indian	OW	P
14-9D-45 BTR	9	040S	050W	4301350755	18379	Indian	Indian	OW	P
13-16D-36 BTR	16	030S	060W	4301350757	18206	Indian	State	OW	Р
5-9D-36 BTR	9	030S	060W	4301350843	18381	Indian	Fee	OW	P
16-5D-46 BTR	5	040S	060W	4301350844	18280	Fee	Fee	OW	Р
5-27D-37 BTR	27	030S	070W	4301350847	18526	Indian	Fee	OW	Р
7-4D-45 BTR	4	040S	050W	4301350884	18562	Indian	Indian	OW	Р
2-16D-45 BTR	16	040S	050W	4301350899	18619	Indian	Indian	OW	Р
16-10D-45 BTR	10	040S	050W	4301350902	18725	Indian	Indian	OW	P
5-2D-36 BTR	2	030S	060W	4301350913	18886	Indian	Fee	ow	Р
13H-27-36 BTR	27	030S	060W	4301350918	18445	Indian	State	ow	Р
8-16D-46 BTR	16	040S	060W	4301350953	19027	Indian	Indian	OW	Р
16-16D-46 BTR	16	040S	060W	4301350956	19028	Indian	Indian	OW	Р
16-9D-45 BTR	9	040S	050W	4301350962	18662	Indian	Indian	OW	Р
14-31D-36 BTR	31	030S	060W	4301350973	18524	Indian	Fee	OW	Р
5-10D-36 BTR	10	030S	060W	4301350978	18989	Indian	Fee	OW	Р
1-32D-36 BTR	32	030S	060W	4301350979	18648	Indian	Fee	OW	Р
16-12D-36 BTR	12	030S	060W	4301350980	18748	Indian	Fee	ow	Р
2-18D-45 BTR	18	040S	050W	4301350991	18776	Indian	Indian	OW	Р
3-1-46 BTR	1	040S	060W	4301351017	18777	Indian	Fee	ow	Р
10-5-45 BTR	5	040S	050W	4301351062	18724	Indian	Indian	OW	Р
12-4D-45 BTR	4	040S	050W	4301351063	18813	Indian	Indian	ow	Р
1-10D-45 BTR	10	040S	050W	4301351064	18966	Indian	Indian	ow	Р
16-2D-46 BTR	2	040S	060W	4301351079	18830	Indian	Indian	OW	Р
9H-4-45 BTR	4	040S	050W	4301351092	18814	Indian	Indian	OW	Р
12-17-45 BTR	17	040S	050W	4301351097	18984	Indian	Indian	OW	Р
5-9D-46 BTR	9	040S	060W	4301351109	19313	Indian	Fee	OW	Р
14-9D-36 BTR	9	030S	060W	4301351144	19004	Indian	Fee	OW	Р
5-31D-36 BTR	31	030S	060W	4301351146	18691	Indian	Fee	OW	Р
4-9D-45 BTR	9	040S	050W	4301351157	18883	Indian	Indian	OW	Р
8-12D-46 BTR	12	040S	060W	4301351159	18911	Indian	Indian	OW	Р
LC TRIBAL 16-23D-47	23	040S	070W	4301351180	18617	Indian	Indian	OW	Р
14-7D-45 BTR	7	040S	050W	4301351222	18949	Indian	Indian	OW	Р
5-16D-45 BTR	16	040S	050W	4301351223	18987	Indian	Indian	OW	Р
4-5D-45 BTR	5	040S	050W	4301351242	18882	Indian	Indian	OW	P
LC TRIBAL 16H-19-45	19	0408	050W	4301351278	18627	Indian	Indian	OW	Р
LC TRIBAL 13-19D-45	19	040S	050W	4301351280	18628	Indian	Indian	OW	Р
LC TRIBAL 5-30D-45	30	040S	050W	4301351281	19448	Indian	Indian	OW	Р

LC TRIBAL 15-24D-46	24	040S	060W	4301351283	18626	Indian	Indian	OW	Р
LC TRIBAL 13H-24-46	19	040S	050W	4301351289	18629	Indian	Indian	ow	Р
7-16-47 BTR	16	040S	070W	4301351296	18950	Indian	Fee	ow	P
14-18D-45 BTR	18	040S	050W	4301351313	19005	Indian	Indian	ow	Р
LC TRIBAL 16-30D-46	30	040S	060W	4301351320	19006	Indian	Indian	ow	Р
LC TRIBAL 5-20D-45	20	040S	050W	4301351331	19449	Indian	Indian	ow	Р
11-8D-46 BTR	8	040S	060W	4301351336	19314	Indian	Indian	OW	Р
5-7D-45 BTR	7	040S	050W	4301351350	18951	Indian	Indian	ow	Р
7-5-35 BTR	5	030S	050W	4301351599	19078	Indian	Fee	OW	P
13-5D-35 BTR	5	030S	050W	4301351600	18996	Indian	Fee	ow	Р
11-5D-35 BTR	5	030S	050W	4301351601	19061	Fee	Fee	OW	Р
15-5D-35 BTR	5	030S	050W	4301351602	19062	Fee	Fee	OW	Р
9-5D-35 BTR	5	030S	050W	4301351609	19029	Indian	Fee	ow	Р
3-5D-35 BTR	5	030S	050W	4301351638	19079	Indian	Fee	OW	Р
7-8-46 BTR	8	040S	060W	4301351702	19315	Indian	Indian	ow	Р
7-30-46 DLB	30	040S	060W	4301351703	18997	Fee	Indian	OW	Р
3-13D-46 BTR	13	040S	060W	4301351718	18881	Indian	Indian	ow	Р
2-13D-46 BTR	13	040S	060W	4301351719	18885	Indian	Indian	OW	Р
12-12D-46 BTR	12	040S	060W	4301351720	18867	Indian	Indian	OW	P
10-12D-46 BTR	12	040S	060W	4301351721	18856	Indian	Indian	ow	Р
11-11D-47 BTR	11	040S	070W	4301352091	19633	Fee	Fee	ow	P
7-12D-47 BTR	12	040S	070W	4301352094	19600	Indian	Fee	ow	Р
5-12D-47 BTR	12	040S	070W	4301352095	19634	Indian	Fee	ow	Р
14-33D-35 BTR	33	030S	050W	4301352162	19450	Indian	Fee	OW	Р
16-33D-35 BTR	33	030S	050W	4301352163	19451	Indian	Fee	ow	Р
14-22-46 DLB	22	040S	060W	4301333660	17604	Indian	Indian	D	PA
13H-31-36 BTR	31	0308	060W	4301350465	18485	Indian	Fee	OW	PA
16X-23D-36 BTR	23	030S	060W	4301350623	18007	Indian	State	OW	PA
8-6-45 BTR	6	040S	050W	4301350900	18561	Indian	Indian	OW	PA
13-13-36 BTR	13	030S	060W	4301350919	18364	Indian	Fee	OW	PA
7-28-46 DLB	28	040S	060W	4301333569	16460	Indian	Indian	OW	S
5-21-36 BTR	21	030S	060W	4301333641	16674	Indian	Fee	GW	S
13-26-36 BTR	26	030S	060W	4301333980	17569	Indian	Fee	OW	S
14-1-46 BTR	1	040S	060W	4301334113	18516	Indian	Indian	OW	S
16-21-36 BTR	21	030S	060W	4301334130	17721	Indian	Fee	OW	S
14-21-36 BTR	21	030S	060W	4301334131	18006	Indian	Fee	OW	S
7-16-36 BTR	16	030\$	060W	4301334133	17834	Indian	Fee	OW	s
1-30-36 BTR	30	0308	060W	4301334134	17905	Indian	Fee	OW	S
16-30-36 BTR	30	0308	060W	4301334135	18005	Indian	Fee	OW	S
3-23-36 BTR	23	0308	060W	4301334137	17860	Indian	Fee	OW	S
16-16-36 BTR	16	030S	060W	4301334138	17666	Indian	Fee	OW	S

4-26-36 BTR	26	030S	060W	4301334139	17620	Fee	Fee	OW	S
9-11-36 BTR	11	030S	060W	4301334276	17451	Indian	Fee	OW	S
3-36-36 BTR	36	030S	060W	4301350398	17955	Indian	Fee	OW	S
7-10-36 BTR	10	030S	060W	4301350437	18052	Indian	Fee	OW	S
16-12D-46 BTR	12	040S	060W	4301350467	18051	Indian	Indian	OW	S
13H-13-46 BTR	13	040S	060W	4301350468	18208	Indian	Indian	OW	S
13-12-46 BTR	12	040S	060W	4301350469	18233	Indian	Indian	OW	S
14-8D-36 BTR	8	030S	060W	4301350612	18163	Indian	Fee	OW	S
14-7D-36 BTR	7	030S	060W	4301350613	18330	Indian	Fee	OW	S
16-9-36 BTR	9	030S	060W	4301350645	18078	Indian	Fee	ow	S
7-27-37 BTR	27	030S	070W	4301350647	18090	Indian	Fee	OW	S
16-12D-37 BTR	12	030S	070W	4301350785	18446	Indian	Fee	OW	S
14-21D-37 BTR	21	030S	070W	4301350859	18548	Indian	Fee	OW	S
10-18D-36 BTR	18	030S	060W	4301350915	18884	Indian	Fee	ow	S
5-27D-36	27	030S	060W	4301350917	18482	Indian	State	ow	S
10-36D-36 BTR	36	030S	060W	4301351005	18523	Indian	Fee	OW	S
14-6D-45 BTR	6	040S	050W	4301351158	18967	Indian	Indian	ow	S
5H-1-46 BTR UTELAND BUTTE	6	040S	050W	4301351215	18728	Indian	Indian	OW	S
5H-1-46 BTR WASATCH	6	040S	050W	4301351216	18727	Indian	Indian	OW	S
1-25D-36 BTR	25	030S	060W	4301351294	18798	Indian	Fee	OW	S
5-5D-35 BTR	5	030S	050W	4301351605	19055	Indian	Fee	ow	S
16-23-36 BTR	23	030S	060W	4301333971	17182	Indian	Fee	ow	TA
LC TRIBAL 14-23D-47	23	040S	070W	4301334022	18616	Indian	Indian	OW	TA
5-32D-36 BTR	32	030S	060W	4301350756	18328	Indian	Fee	ow	TA



October 20, 2016

RECEIVED

OCT 21 2016

Re: Bill Barrett Corporation Transfer to New Operator

DIV. OF OIL, GAS & MINING

Dear Ms. Medina:

Attached please find the change of operation Form 9, Form 5's and Request to Transfer APD formchanging the operator from Bill Barrett Corporation to RIG II, LLC, effective 11/1/2016. Badlands Energy – Utah, LLC will be a sub-operator.

New Operator Contact information:

RIG II, LLC 1582 West 2600 South Woods Cross, Utah 84087-0298 Telephone:(801) 683-4245 Fax:(801) 298-9889

Upon reviewing the attached, please contact myself with any questions at 303-312-8115.

Sincerely,

Bill Barrett Corporation

Brady Riley Permit Analyst

STATE OF UTAH FORM 9 **DEPARTMENT OF NATURAL RESOURCES** 5. LEASE DESIGNATION AND SERIAL NUMBER: DIVISION OF OIL, GAS AND MINING (see attached well list) 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: SUNDRY NOTICES AND REPORTS ON WELLS N/A 7, UNIT or CA AGREEMENT NAME: Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. 1. TYPE OF WELL 8. WELL NAME and NUMBER OIL WELL 🔽 GAS WELL (see attached well list) 2. NAME OF OPERATOR: 9. API NUMBER RIG II, LLC 3. ADDRESS OF OPERATOR PHONE NUMBER: 10. FIELD AND POOL, OR WILDCAT: 1582 West 2600 South (801) 683-4245 STATE UT ZIP 84087 Wood Cross 4. LOCATION OF WELL FOOTAGES AT SURFACE: (see attached well list) COUNTY: QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 11. TYPE OF SUBMISSION TYPE OF ACTION ACIDIZE REPERFORATE CURRENT FORMATION NOTICE OF INTENT (Submit in Duplicate) ALTER CASING FRACTURE TREAT SIDETRACK TO REPAIR WELL Approximate date work will start; CASING REPAIR **NEW CONSTRUCTION** TEMPORARILY ABANDON 11/1/2016 CHANGE TO PREVIOUS PLANS OPERATOR CHANGE TUBING REPAIR CHANGE TUBING PLUG AND ABANDON VENT OR FLARE SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK WATER DISPOSÁL (Submit Original Form Only) CHANGE WELL STATUS PRODUCTION (START/RESUME) WATER SHUT-OFF Date of work completion: COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE OTHER: CONVERT WELL TYPE **RECOMPLETE - DIFFERENT FORMATION** 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. RIG II, LLC IS SUBMITTING THIS SUNDRY AS NOTIFICATION THAT THE WELLS LISTED ON THE ATTACHED LIST HAVE BEEN SOLD TO-Rig II, LLC BY BILL BILL BARRETT CORPORATION EFFECTIVE 11/1/2016. PLEASE REFER ALL FUTURE CORRESPONDENCE TO THE ADDRESS BELOW. RIG II, LLC 1582 West 2600 South Woods Cross, Utah 84087-0298 801-683-4245 (STATE/FEE BOND # 9219529/ BLM BOND # UTB000712/ BIA BOND # LPM9224670) BILL BARRETT CORPORATION NOILS RIG II, LLC MAME (PLEASE PRINT) _ NAME (PLEASE PRINT) SIGNATURE SIGNATURE EH&S, Government and Regulatory Affairs Jesse McSwain Manager NAME (PLEASE PRINT) 1012016

APPROVED

NOV 0 7 2016

(This space for State use only)

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

Request to Transfer Application or Permit to Drill

	(This form should ac	ccompany a Sundr	y Notice, Form 9, reque	esting APD transfer)		
Well	name:	(See attached li	st)			
API ı	number:					
Loca	ation:	Qtr-Qtr:	Section:	Township: Range:		
Com	pany that filed original application:	Bill Barrett Corp	oration			
Date	original permit was issued:					
Com	pany that permit was issued to:	Bill Barrett Cor	poration			
Check one		Des	ired Action:			
	Transfer pending (unapproved) App					
	The undersigned as owner with legal r submitted in the pending Application for owner of the application accepts and a	or Permit to Dril	l, remains valid ar	nd does not require revision. The	new	
✓	Transfer approved Application for F	ermit to Drill t	o new operator			
	The undersigned as owner with legal r information as submitted in the previous revision.				re	
Folio	owing is a checklist of some items rel	ated to the ap	plication, which s	should be verified.	Yes	No
If loc	ated on private land, has the ownership	changed?			√	
	if so, has the surface agreement been	updated?				✓
	e any wells been drilled in the vicinity of tirements for this location?	the proposed w	rell which would af	fect the spacing or siting		✓
	e there been any unit or other agreemen osed well?	ts put in place t	hat could affect th	e permitting or operation of this		✓
	there been any changes to the access osed location?	route including	ownership or righ	t-of-way, which could affect the		✓
Has t	the approved source of water for drilling	changed?				✓
	e there been any physical changes to the s from what was discussed at the onsite		on or access route	which will require a change in		✓
Is bo	nding still in place, which covers this pro	posed well? B	ond No. 9219529-UDOGM/U	JTB000712-BLM / LPM9224670-BIA	1	
shou nece	desired or necessary changes to either a ld be filed on a Sundry Notice, Form 9, o ssary supporting information as required	or amended Ap	plication for Permi			red,
	e (please print) Jesse McSwain		Title Manager	2110		
_	esenting (company name) RIG II, LLC		Date 10 0	<u> 114 </u>		
rtepi	cooming (company name)			· · · · · · · · · · · · · · · · · · ·		

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

STATE OF UTAHDEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS AND MINING

•	TRAI	NSFE	R OF	AUTHORITY TO INJECT	•
Well Name and Number 6-32-36 BTR SWD		4			API Number 4301350921
Location of Well				DUQUENOE	Field or Unit Name CEDAR RIM
Footage: 1628 FNL 1553 FWL QQ, Section, Township, Range: SENW	32	3S	6W	County : DUCHENSE State : UTAH	Lease Designation and Number 2OG0005608

EFFECTIVE DATE OF TRANSFER: 11/1/2016

CURRENT OP	PERATOR	
Company:	BILL BARRETT CORPORATION	Name: Duane Zavadil
Address:	1099 18th Street Ste 2300	Signature: 2nCd
	city DENVER state CO zip 80202	Senior Vice President - Title: EH&S, Government and Regulatory Affairs
Phone:	(303) 293-9100	Date: 10 20 16
Comments	· · · · · · · · · · · · · · · · · · ·	

Address: 1582 West 2600 South Signature: Signature: Manager	Company: RIG II, LLC Name: Jesse McSwain	
10/2 . 111	1593 West 2000 Courts	R:
(004) 002 4045	city Wood Cross state UT zip 84087 Title: Manager	
Phone: (801) 683-4245 Date: 10 LC 10	Phone: (801) 683-4245 Date: 10 20 10	

(This space for State use only)

Transfer approved by:

Approval Date: ///3//L

Comments:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

	TRANSFER OF AL	JTHORITY TO INJECT	T
Well Name and 16-6D-46 BT			API Number 4301350781
ocation of Well		:	Field or Unit Name
Footage: 03	200 FSL 0099 FEL	County : DUCHESNE	ALTAMONT Lease Designation and Number
QQ, Section,	Township, Range: SESE 6 4S 6W	State: UTAH	20G0005608
	11/1/2016		
EFFECTIVE L	DATE OF TRANSFER: 11/1/2016		
URRENT OP	PERATOR		
Company:	BILL BARRETT CORPORATION	Name: Duane	Zavadil
Address:	1099 18th Street Ste 2300	Signature:	m ZwW
	city DENVER state CO zip 80202	SeniorV	ice President - Government and Regulatory Affairs
Phone:	(303) 293-9100	Date:	20/16
Comments:	:	- 	
NEW OPERAT			
Company:	RIG II, LLC	Name: Jesse	McSwain
Address:	1582 West 2600 South	Signature:	Dese MG:
	city Wood Cross state UT zip 84087	Title: Mana	
Phone:	(801) 683-4245	Date:	120/14
Comments	:		
This space for S	state use only)	•	1 ,
Transfer ap	pproved by:	Approval Date:	11/3/16
	Title: VIC		

Comments:

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

	TRANSFER OF AL	JTHORITY TO INJEC	Γ
ell Name and SWD 9-36 B	TR		API Number 4301350646
cation of Well			Field or Unit Name CEDAR RIM
Footage: 0	539 FSL 0704 FEL	County : DUCHESNE	Lease Designation and Number
QQ, Section,	Township, Range: SESE 9 3S 6W	State: UTAH	2OG0005608
FFECTIVE	DATE OF TRANSFER: 11/1/2016		
URRENT OP	PERATOR		
	DV L DADDETT CODDODATION	_	
Company:	BILL BARRETT CORPORATION	Name: Duane	e Zavadil
Address:	1099 18th Street Ste 2300	Signature: Senior V	rice President -
	city DENVER state CO zip 80202	Title: EH&S, G	Government and Regulatory Affairs
Phone:	(303) 293-9100	Date: <u>\</u>	2014
Comments:			
EW OPERAT	FOR		
Company:	RIG II, LLC	Name: Jesse	McSwain
Address:	1582 West 2600 South	Signature:	ENE MEG-
	city Wood Cross state UT zip 84087	Title: Mana	ger
Phone:	(801) 683-4245	Date:1 <u></u>	20/16
Comments:			
is space for S	tate use only)		
Transfer ap	proved by:	Approval Date:	
	Title:		
	This well was own	rived by USE.	PH.
Comr	ments: This well was approved with	Il be required.	
	EPH approved to.		